

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE

MANDELKOW ET AL. U.S.S.N. 09/640,737

ATTORNEY DOCKET NO. 28384/36668

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1 / 55

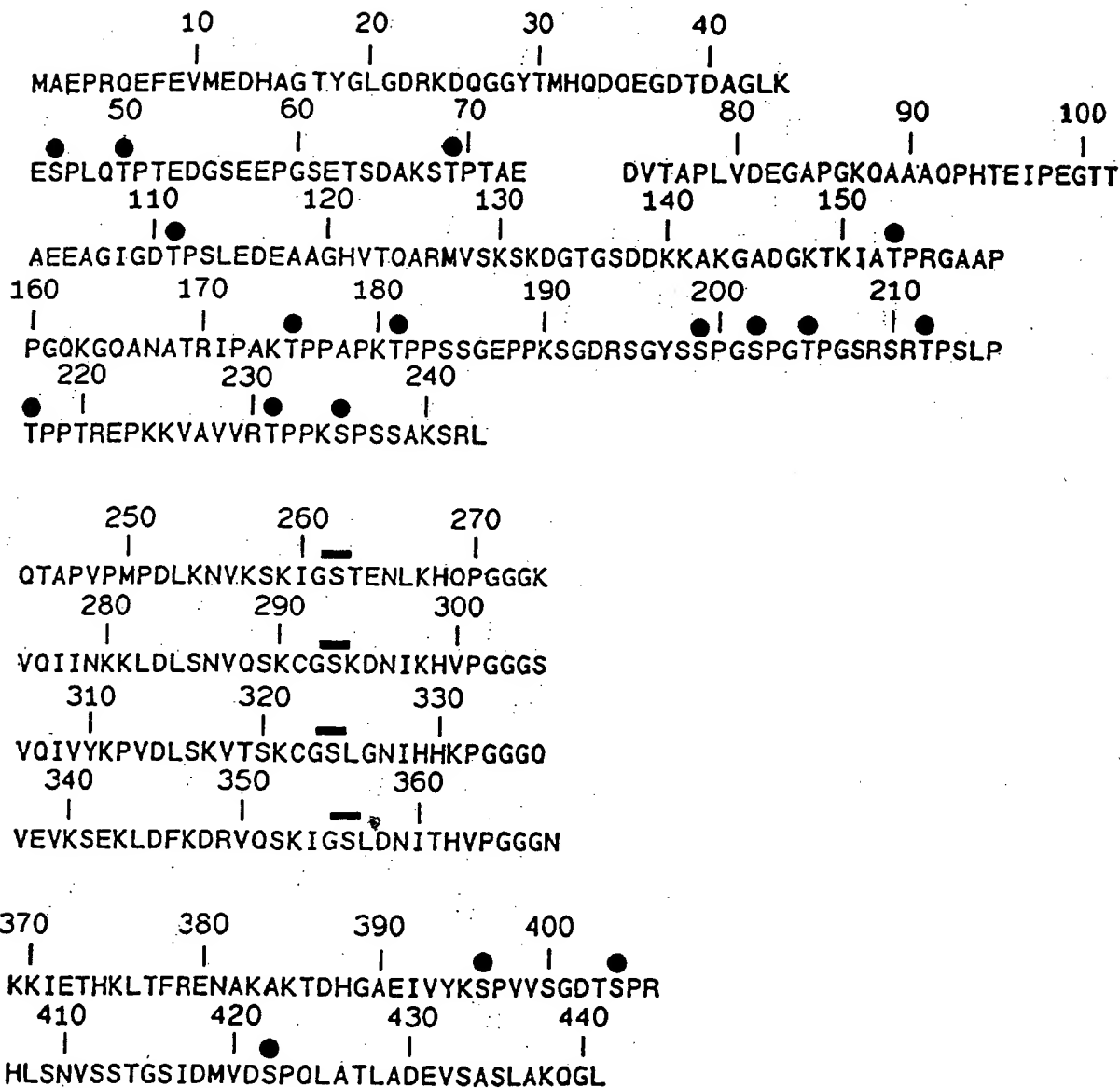


FIGURE 1A

NOVEL TOOLS FOR THE DIAGNOSIS AND  
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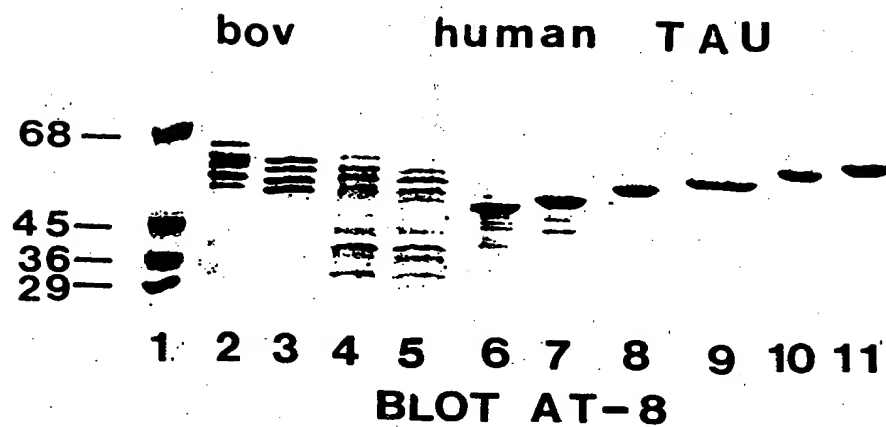
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ATTORNEY DOCKET NO. 28384/36668

REPLACEMENT SHEET

2 / 55

**FIGURE 1A**



**FIGURE 1B**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

3 / 55

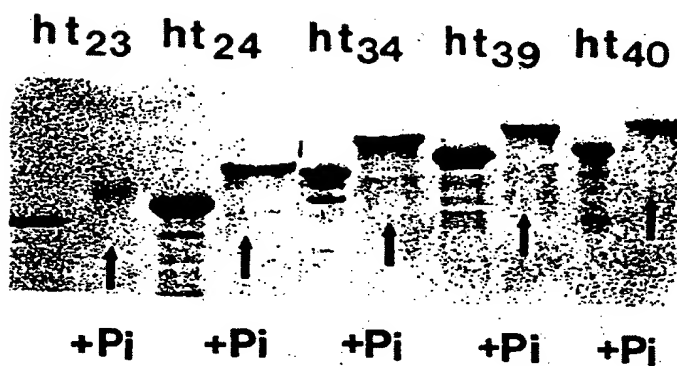


FIGURE 2A

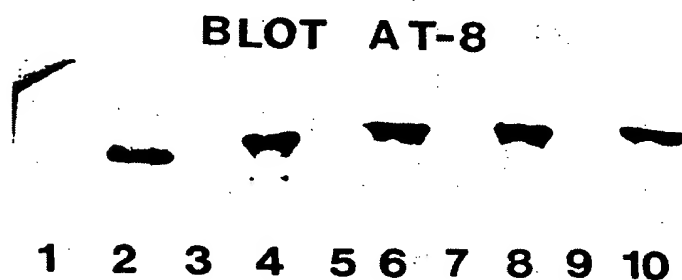
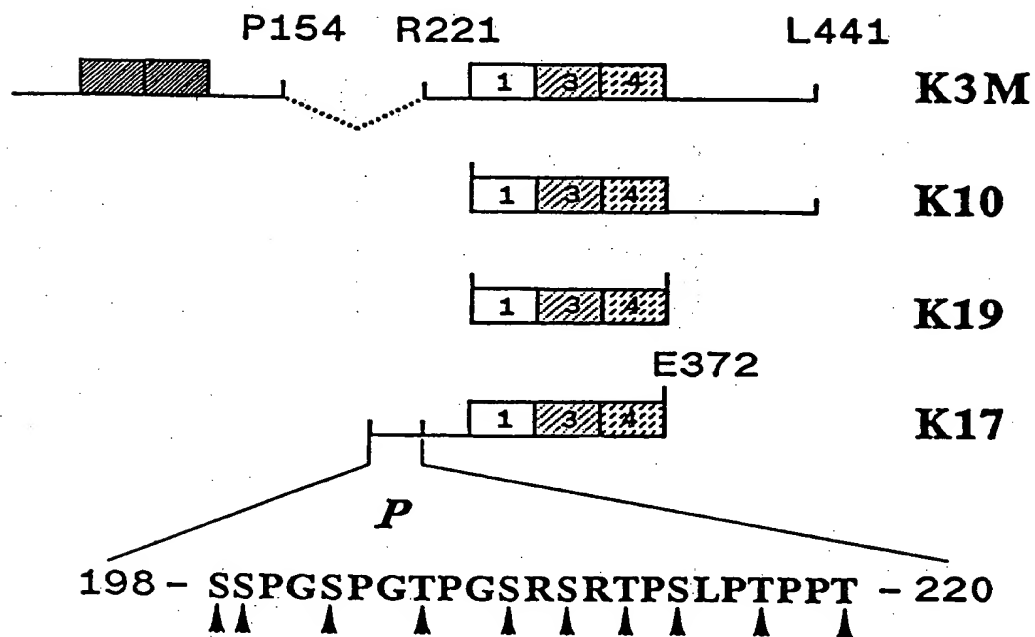


FIGURE 2B

NOVEL TOOLS FOR THE DIAGNOSIS AND  
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MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

4 / 55



**FIGURE 3**

5/55

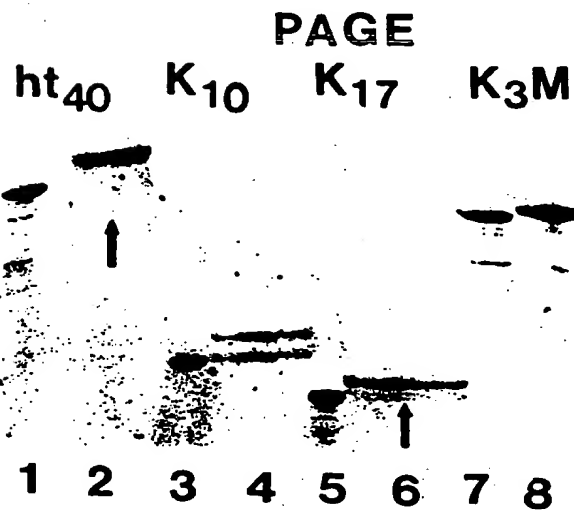


FIGURE 4A

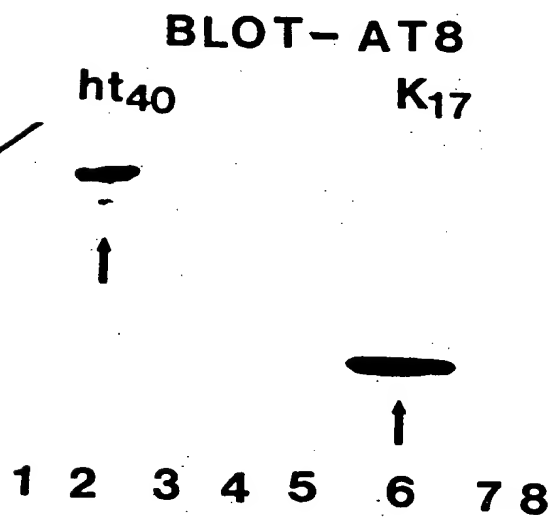


FIGURE 4B

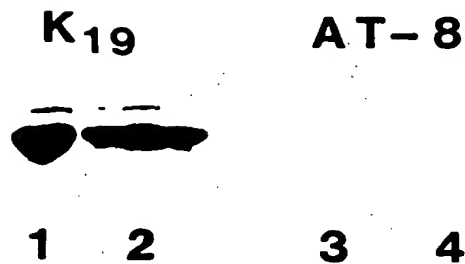
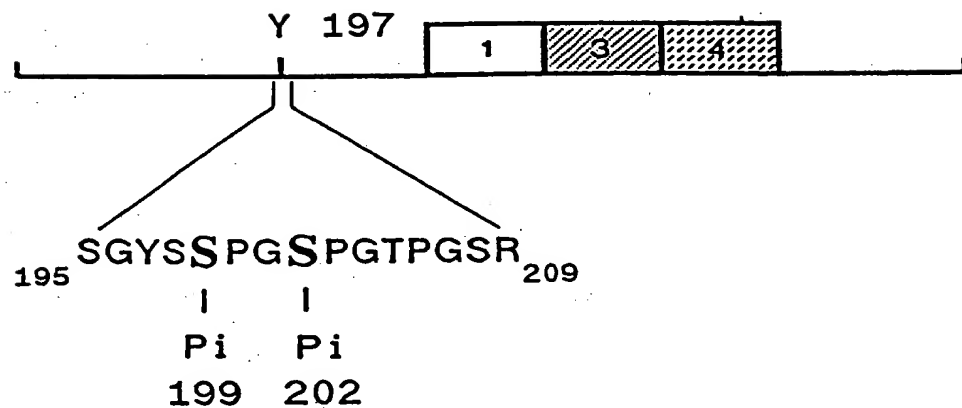


FIGURE 4C

NOVEL TOOLS FOR THE DIAGNOSIS AND  
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MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

6 / 55

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**FIGURE 5**

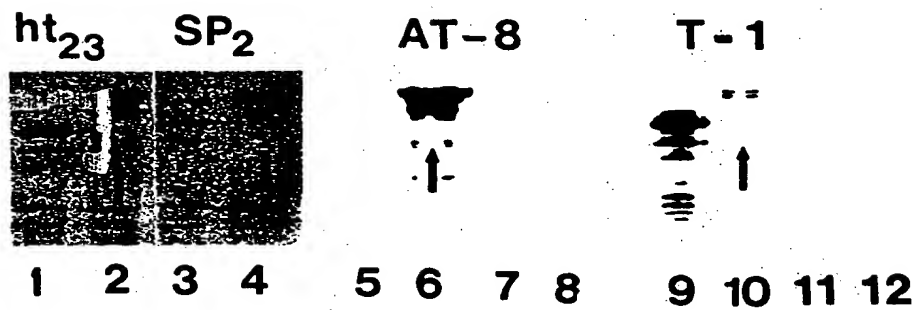
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TREATMENT OF ALZHEIMER'S DISEASE

MANDELKOW ET AL. U.S.S.N. 09/640,737

ATTORNEY DOCKET NO. 28384/36668

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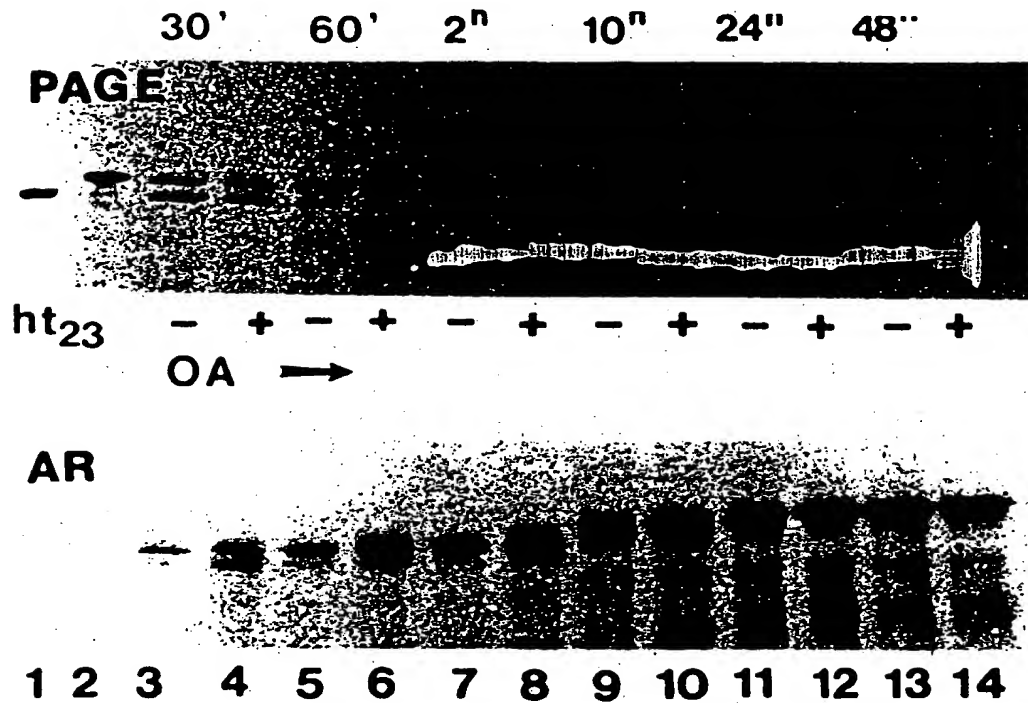
7 / 55



**FIGURE 6**

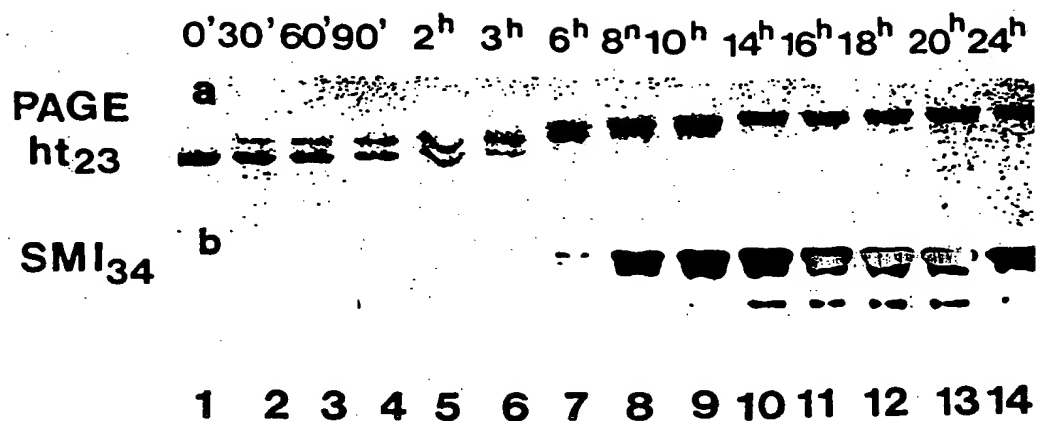
8 / 55

**FIGURE 7A**



**FIGURE 7B**

**FIGURE 8A**

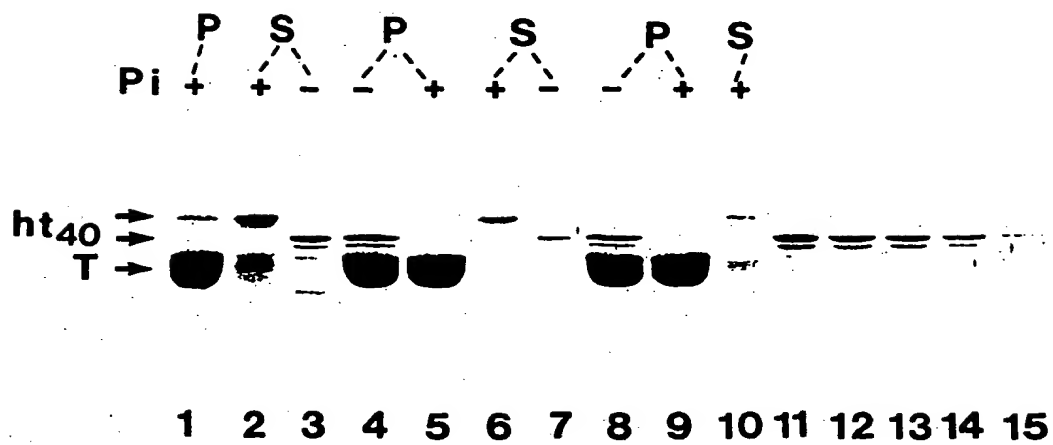


**FIGURE 8B**



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
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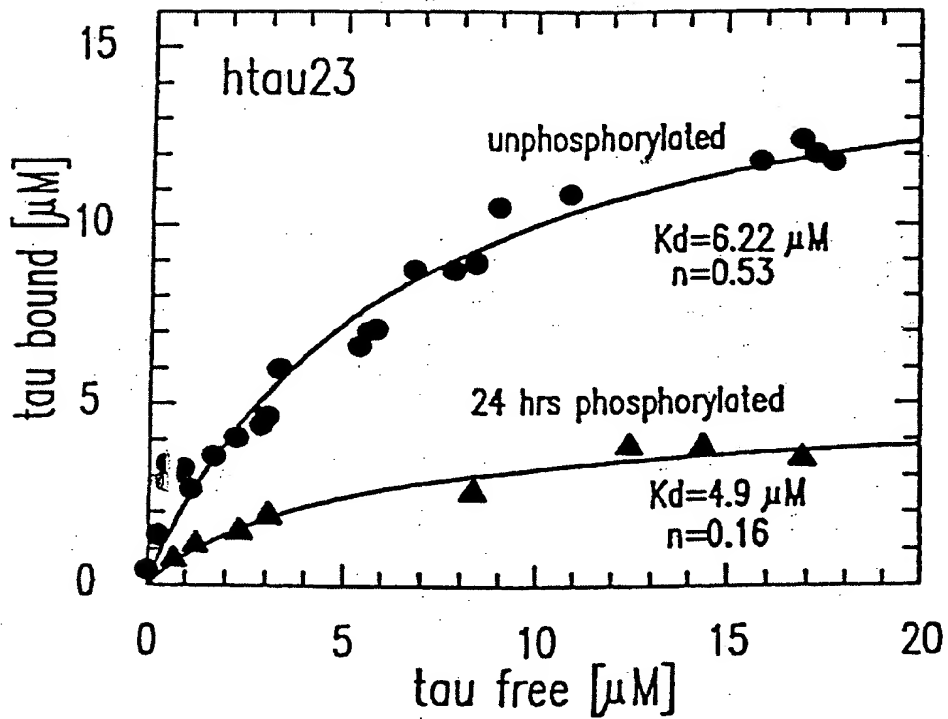
9 / 55



**FIGURE 9A**

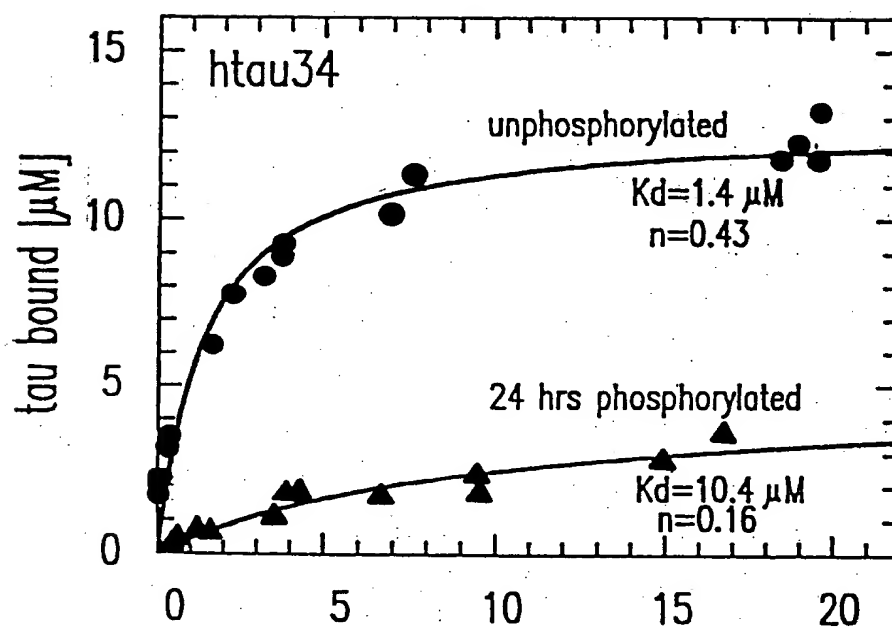
10 / 55

**FIGURE 9B**

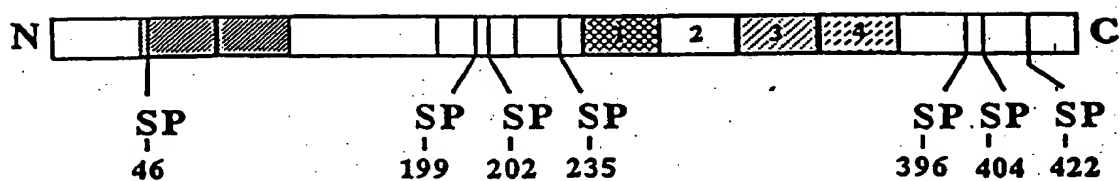


11 / 55

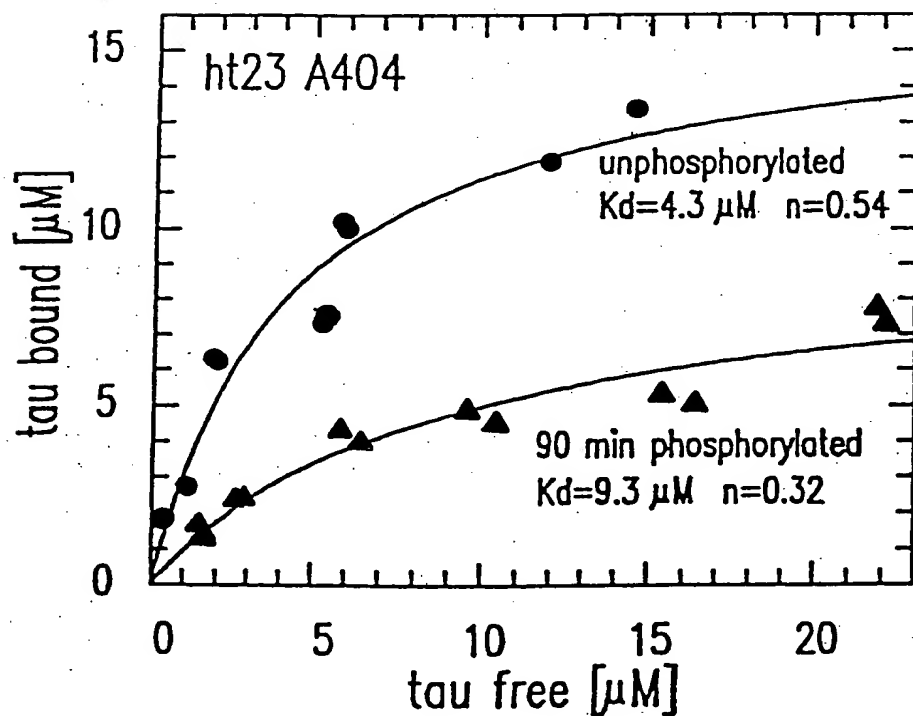
**FIGURE 9C**



12 / 55



**FIGURE 10**

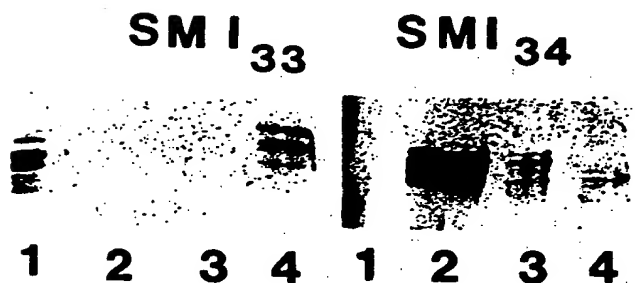
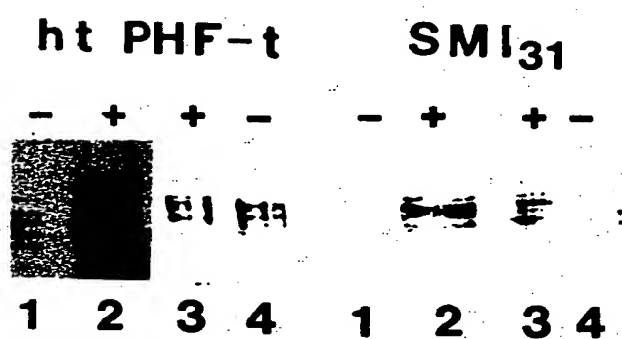


**FIGURE 11**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
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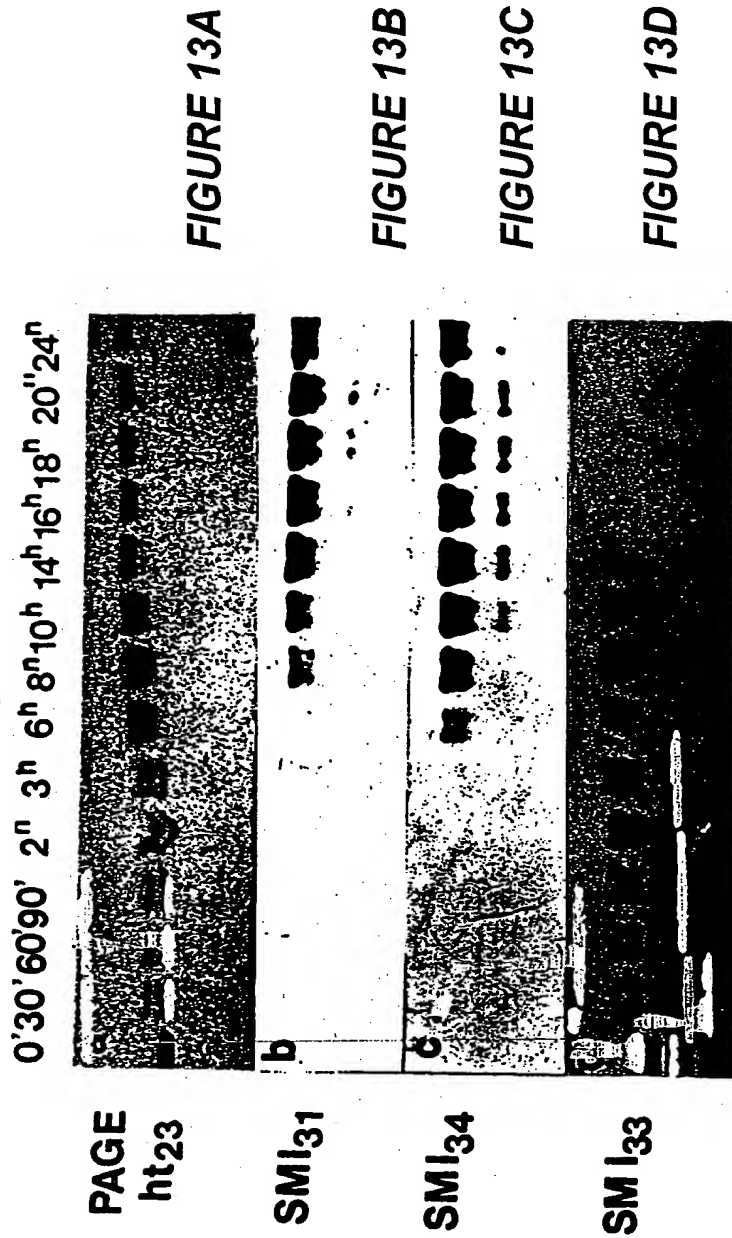
13 / 55

**FIGURE 12A**      **FIGURE 12C**

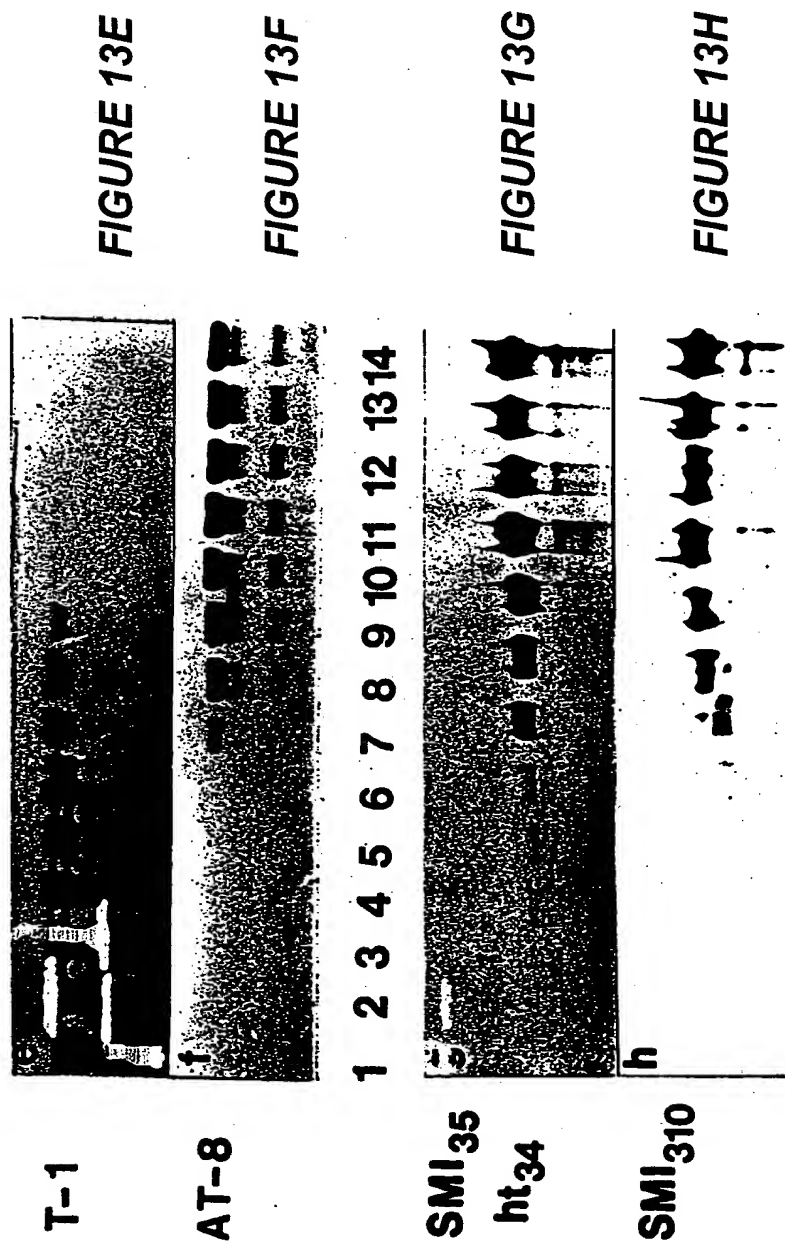


**FIGURE 12B**      **FIGURE 12D**

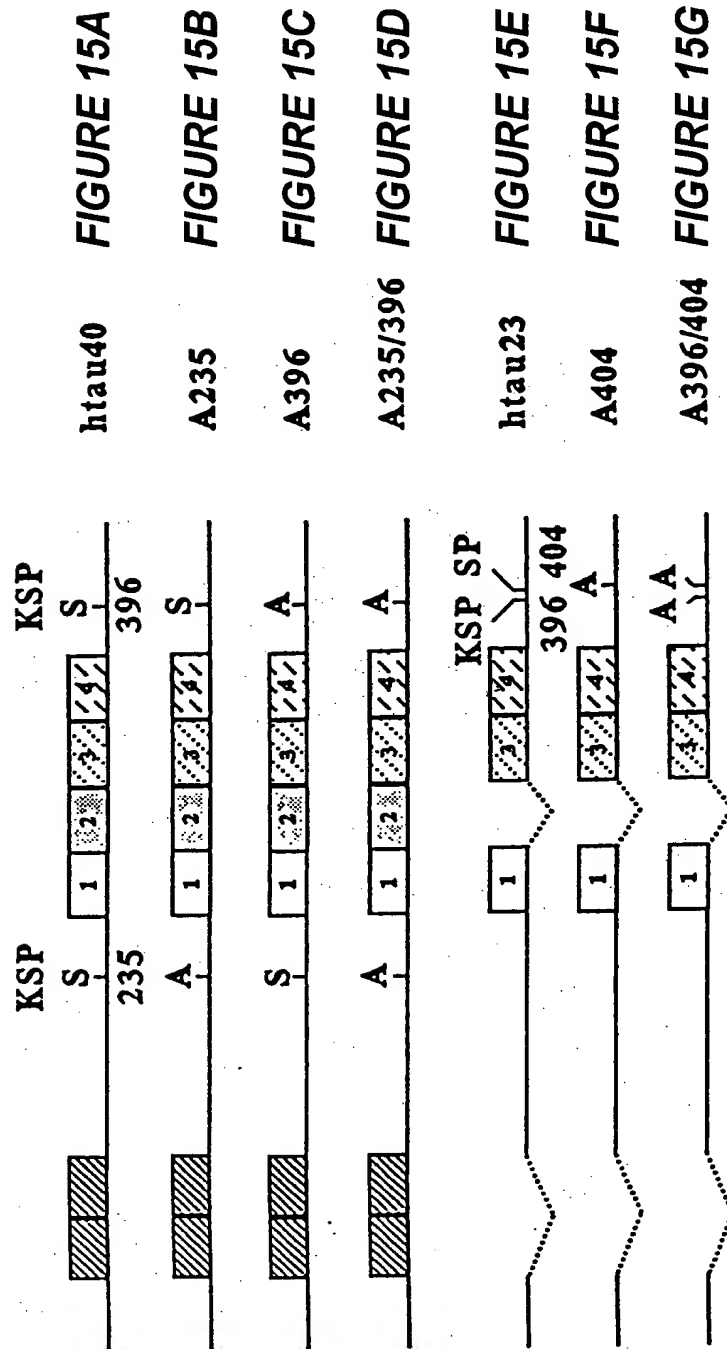
14 / 55



15 / 55



16 / 55





NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

17 / 55

**FIGURE 14A**

**FIGURE 14C**

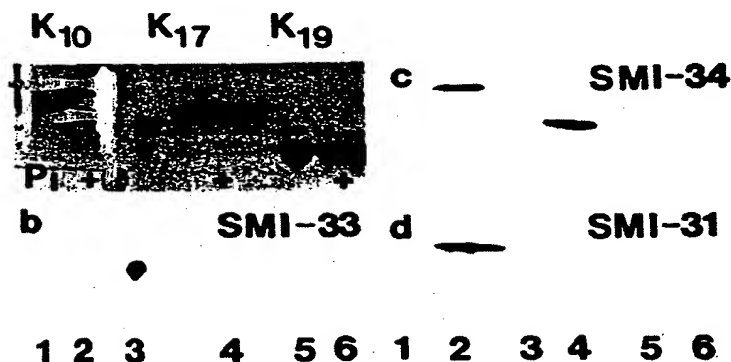


**FIGURE 14B**

**FIGURE 14D**

**FIGURE 16A**

**FIGURE 16C**



**FIGURE 16B**

**FIGURE 16D**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

18 / 55

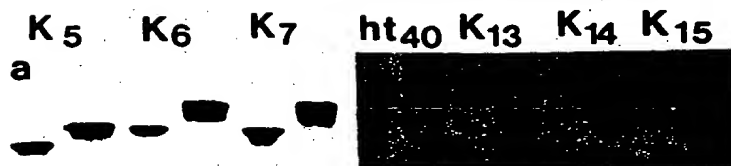


FIGURE 17A



FIGURE 17B

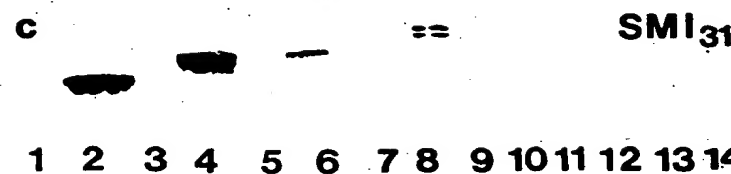


FIGURE 17C

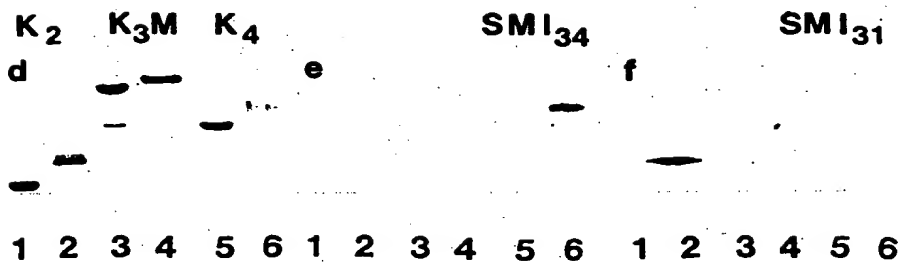
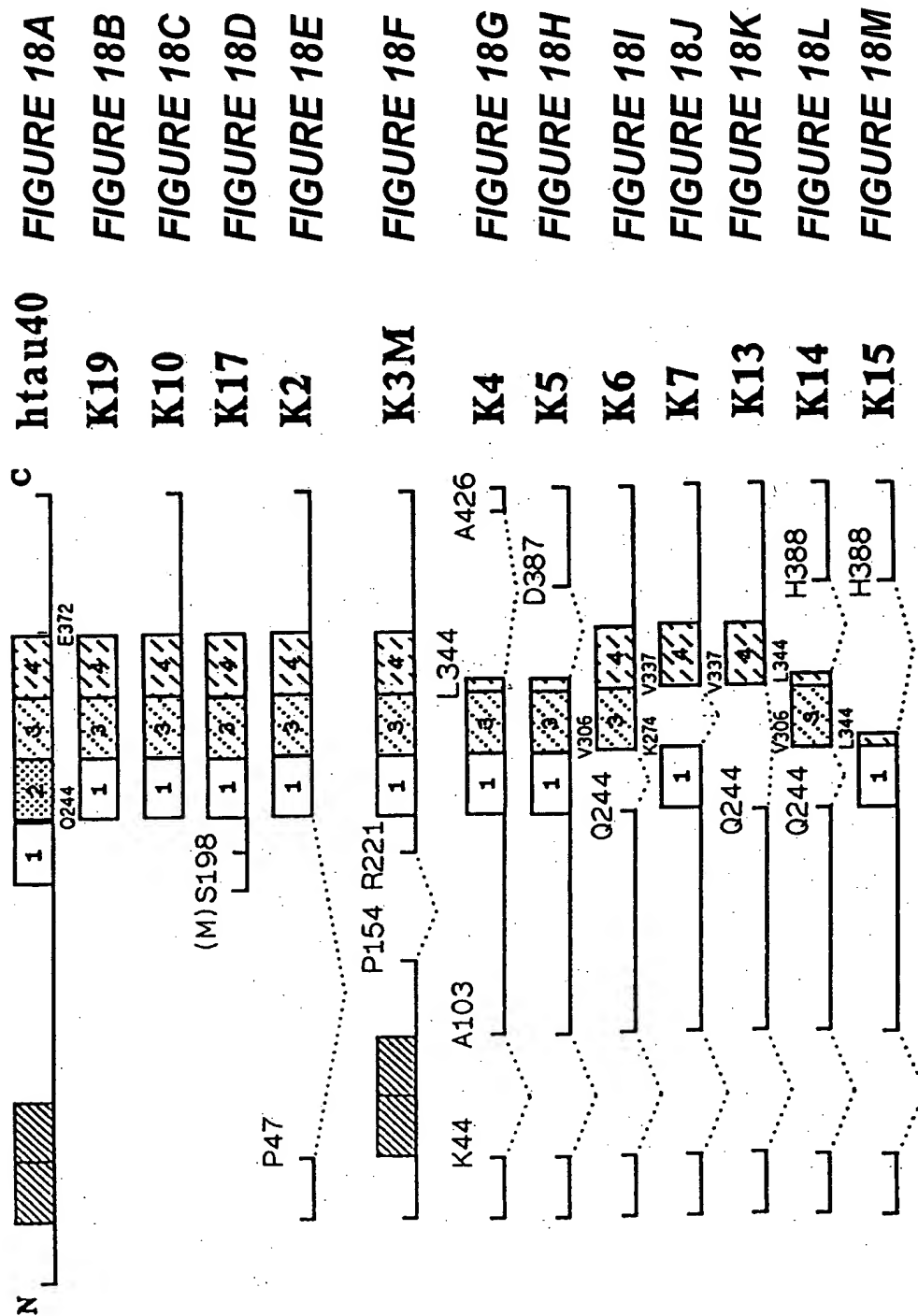


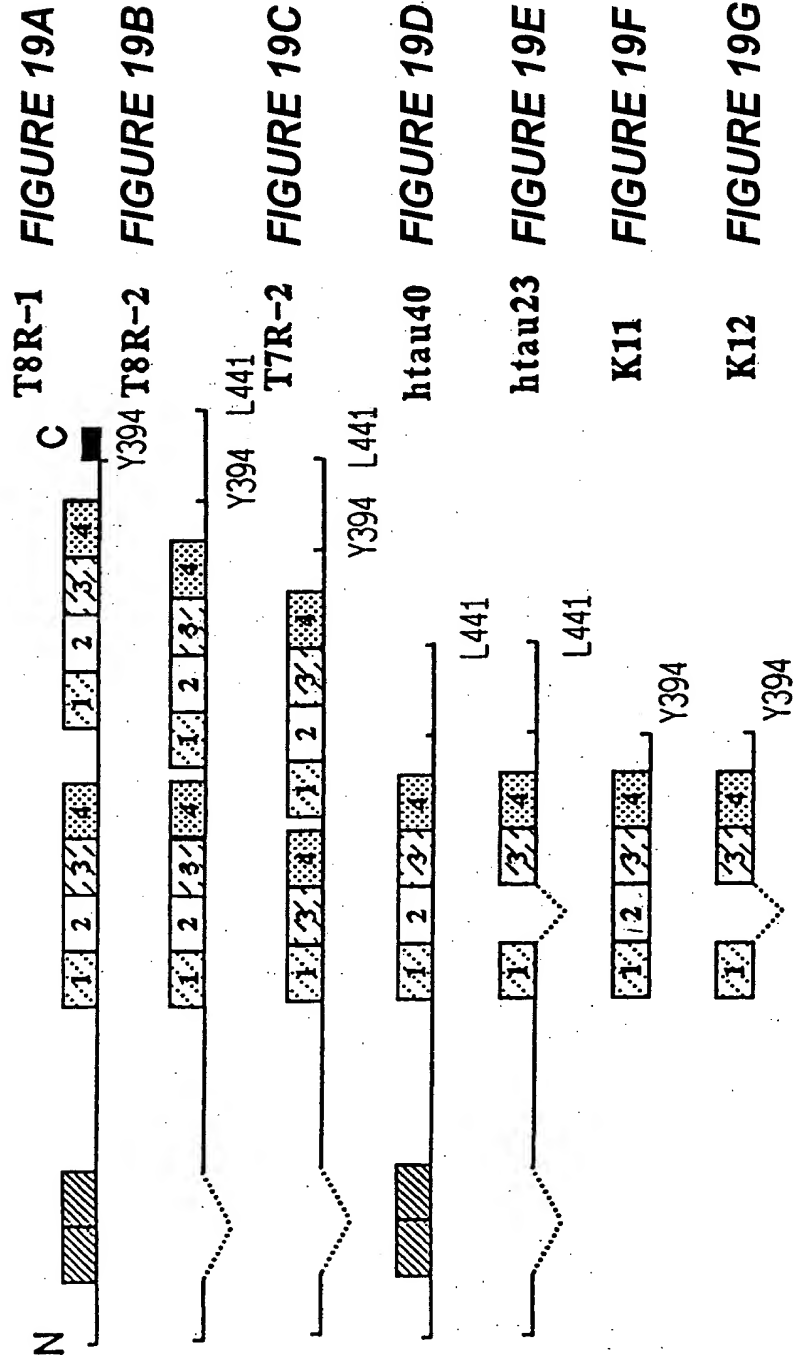
FIGURE 17D FIGURE 17E FIGURE 17F

19 / 55



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

20 / 55



21 / 55

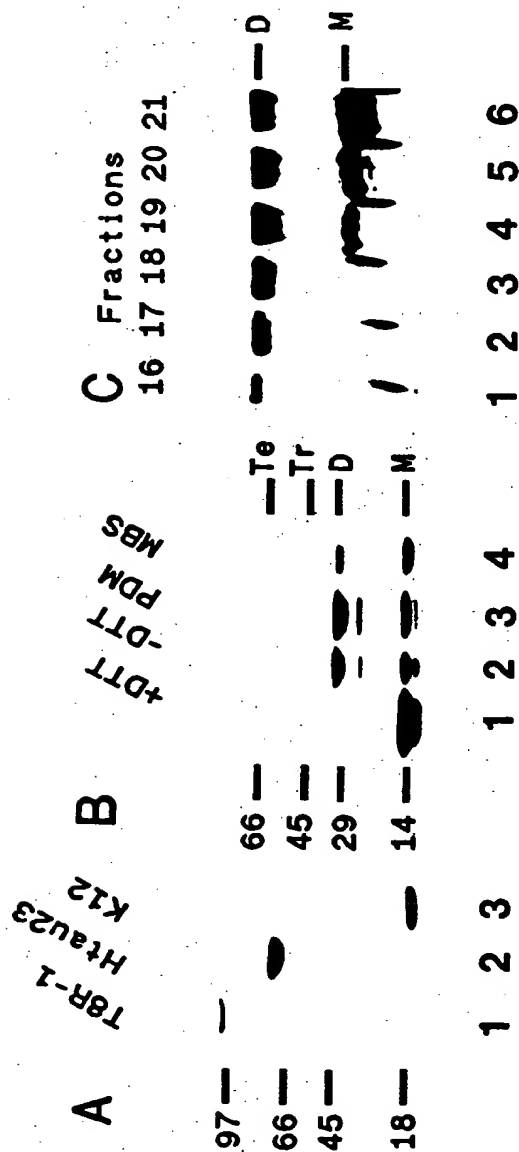


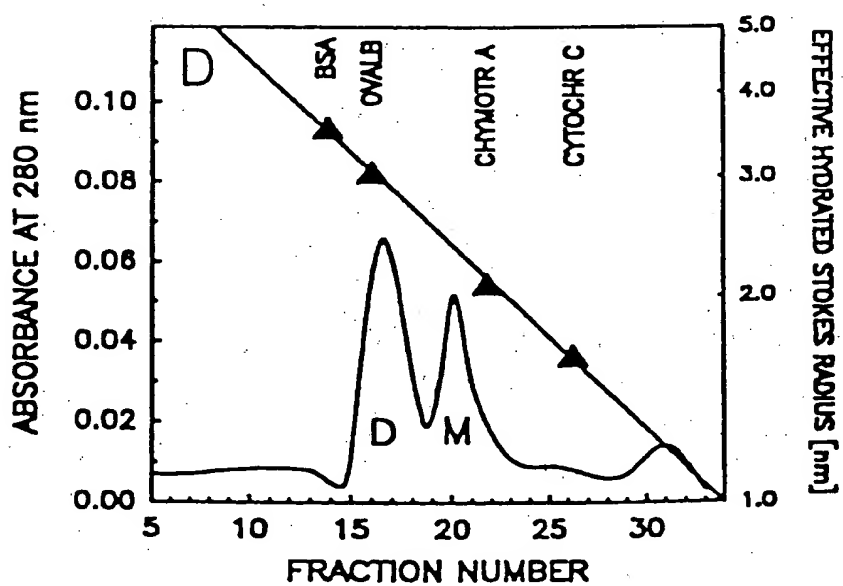
FIGURE 20A

FIGURE 20B

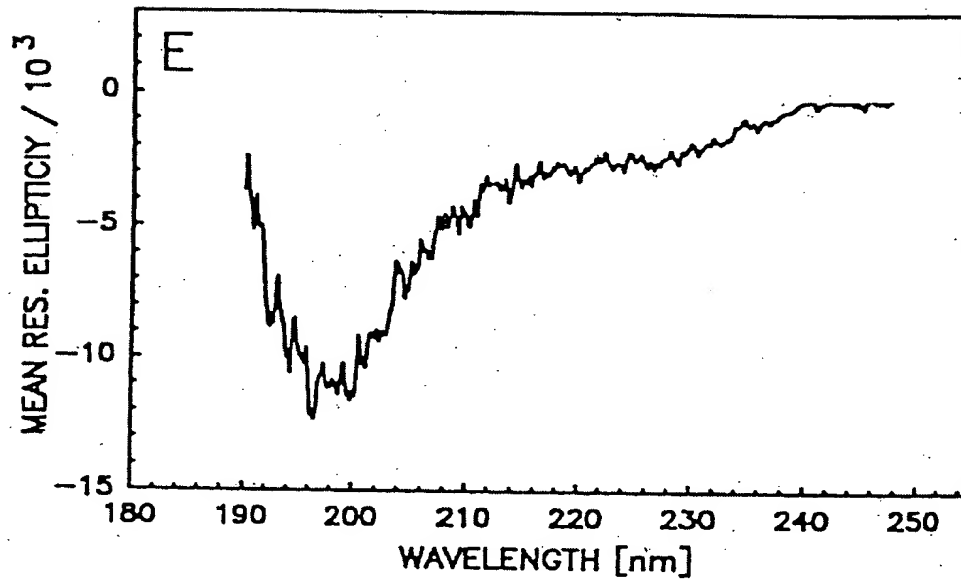
FIGURE 20C

22 / 55

**FIGURE 20D**



23 / 55



**FIGURE 20E**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

24 / 55

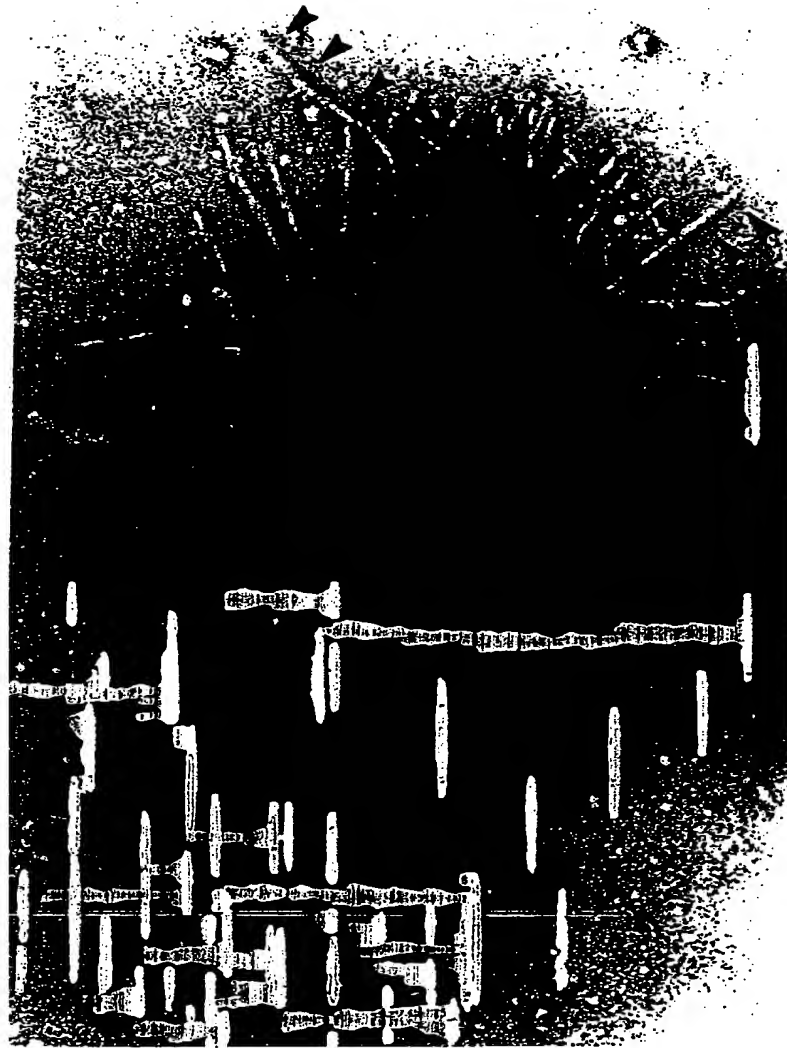


FIGURE 21A



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

25 / 55

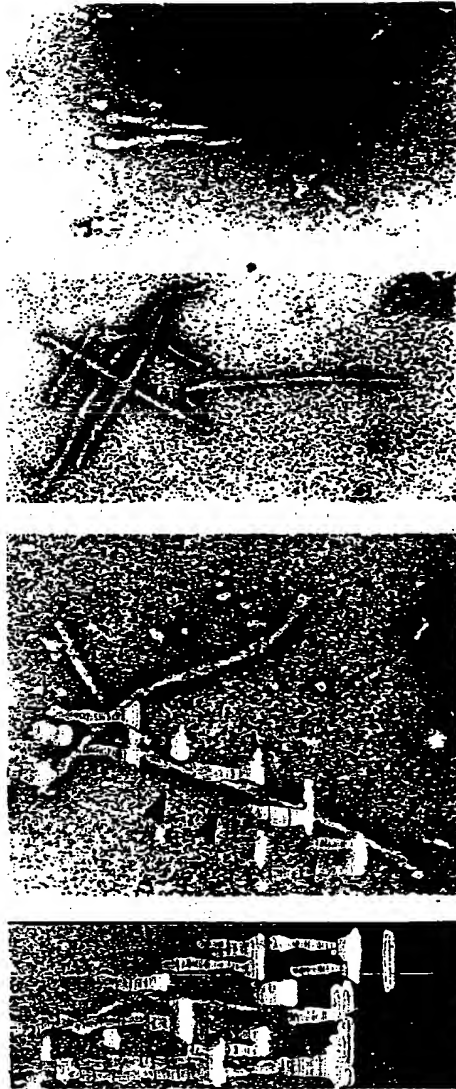


FIGURE 21B    FIGURE 21C    FIGURE 21D    FIGURE 21E

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

26 / 55

FIGURE 21F



FIGURE 21I

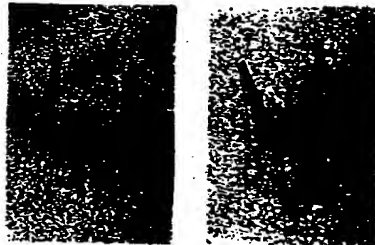


FIGURE 21H

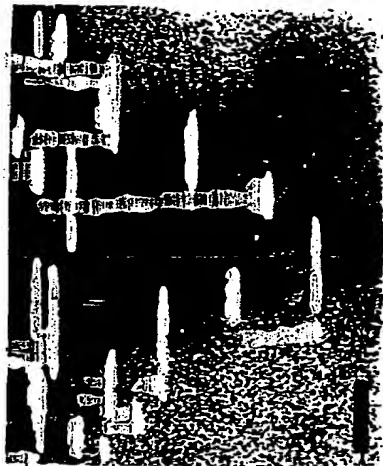


FIGURE 21G

27 / 55

FIGURE 22C

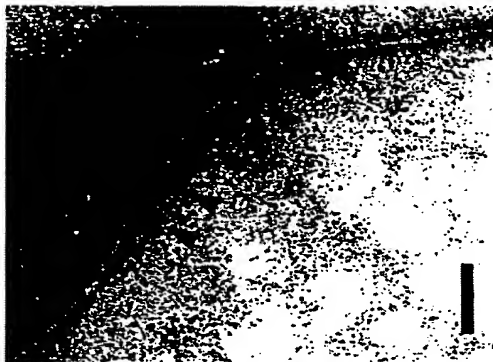
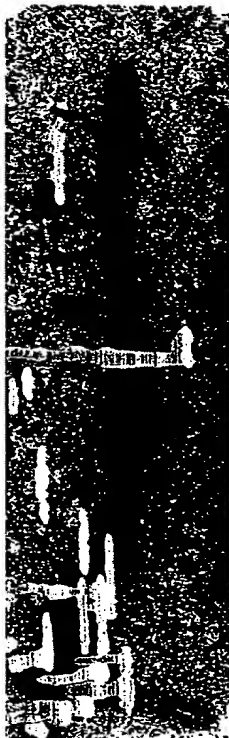


FIGURE 22A



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FIGURE 22B

NOVEL TOOLS FOR THE DIAGNOSIS AND  
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MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

28 / 55

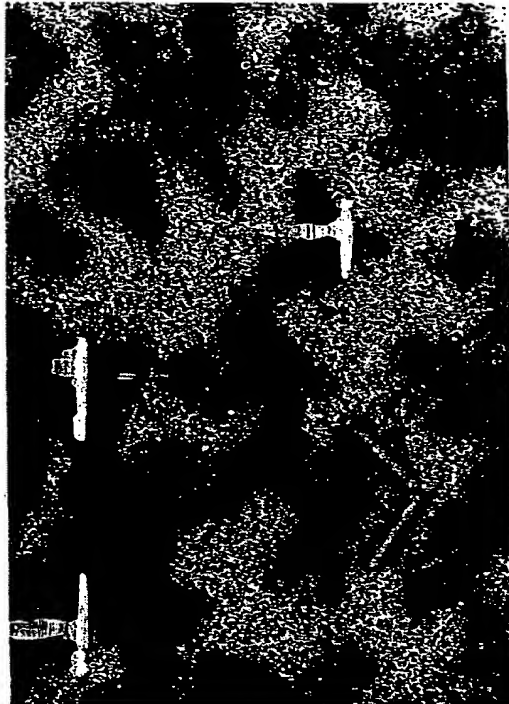


FIGURE 23B

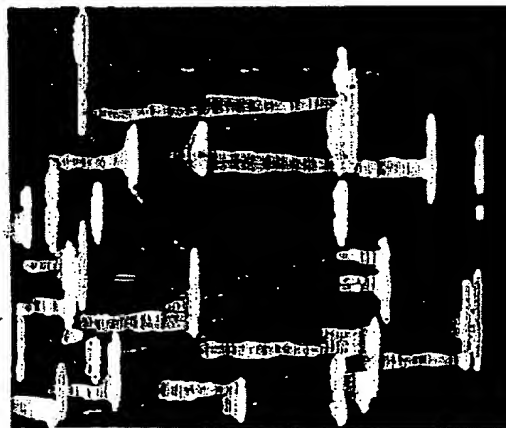
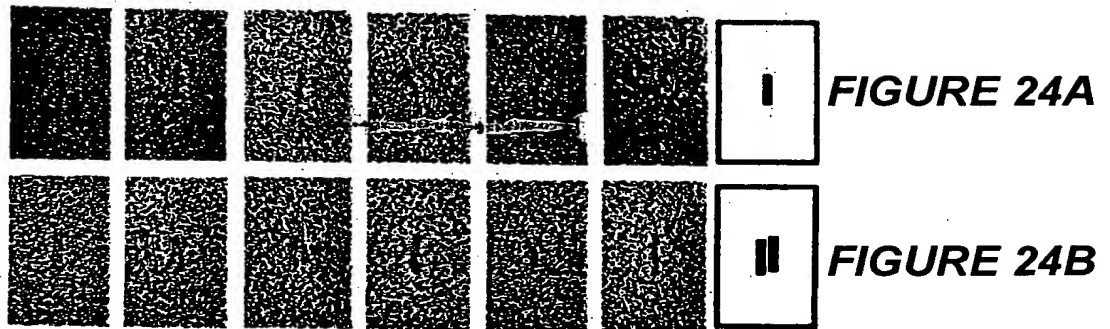
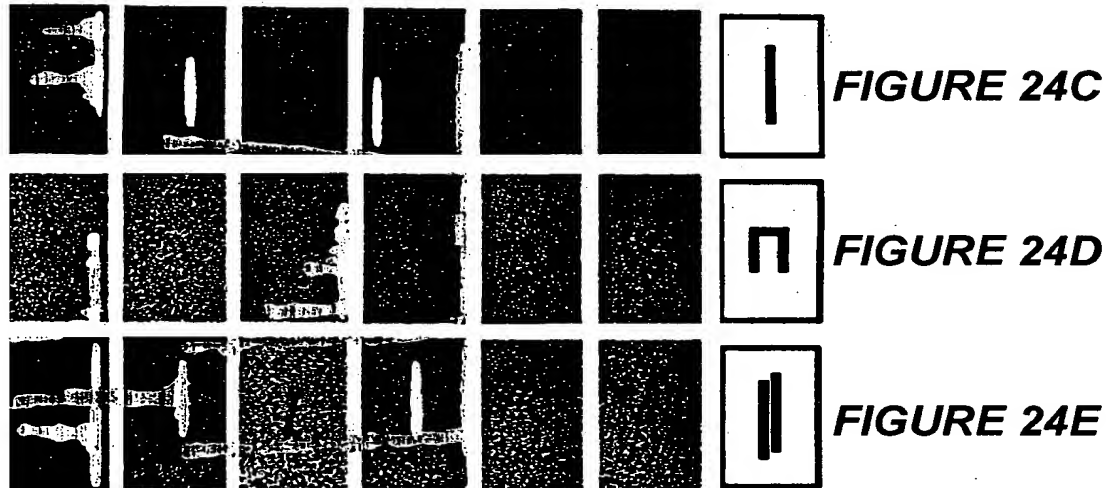


FIGURE 23A

29 / 55



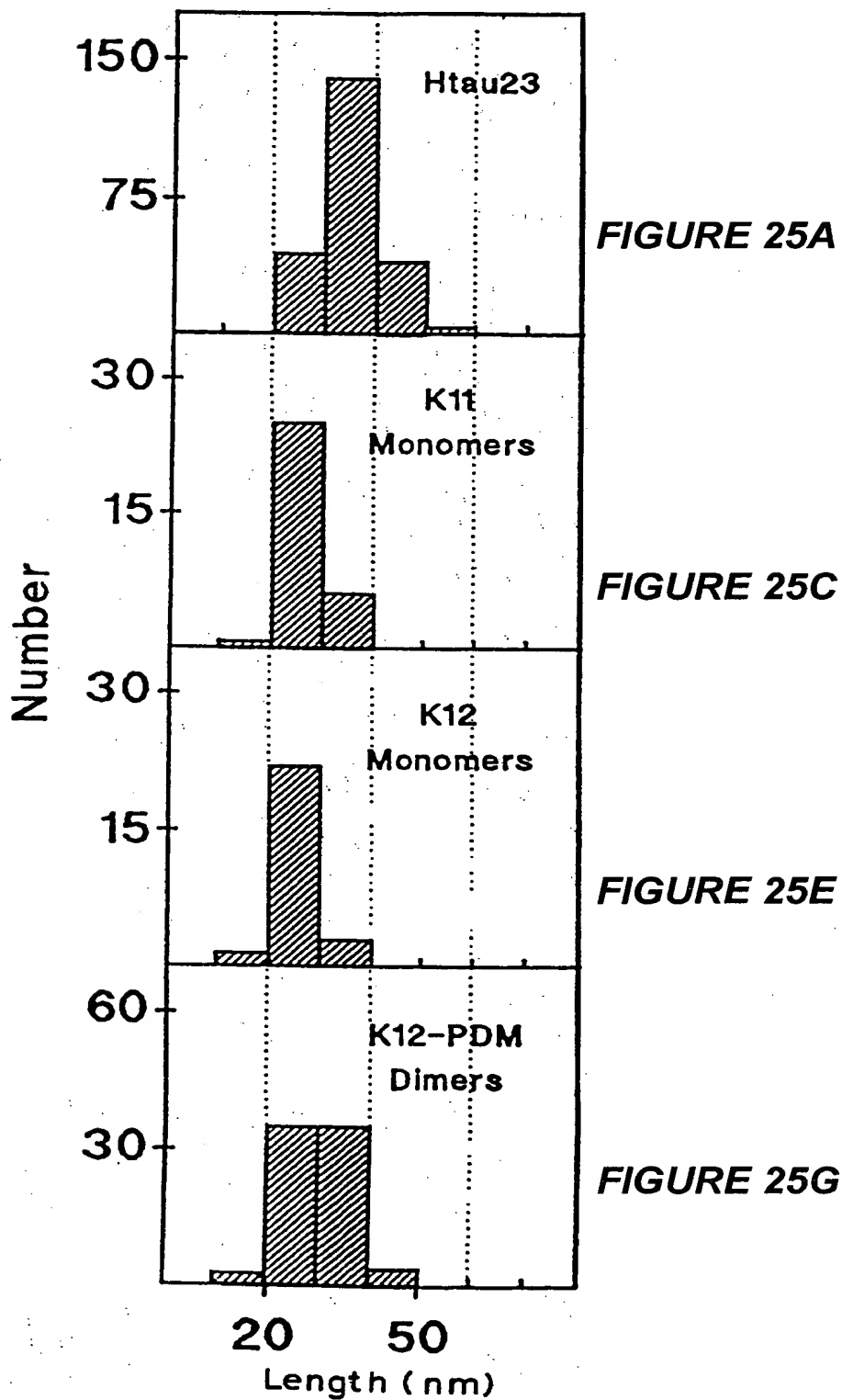
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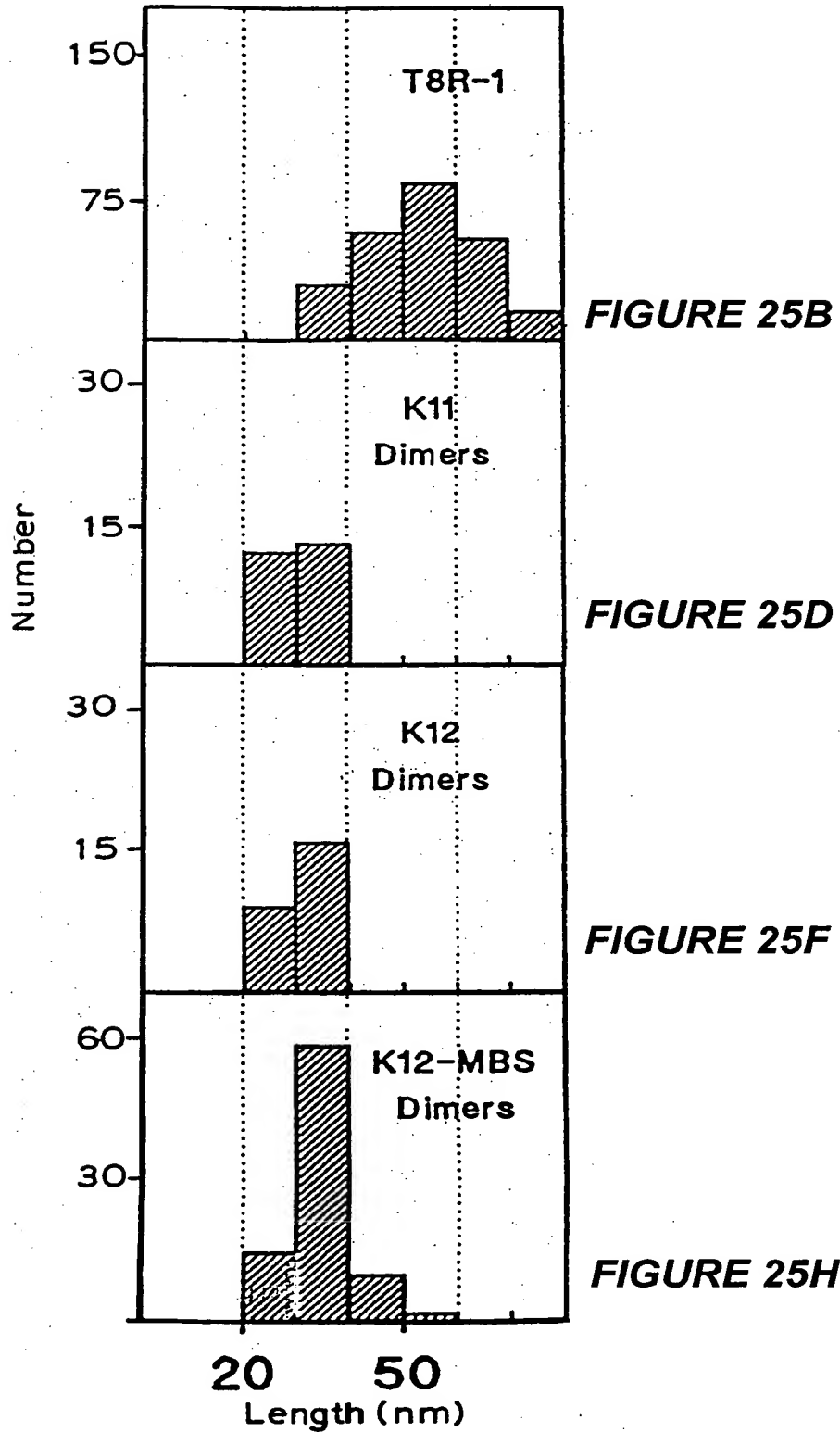
NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

30 / 55



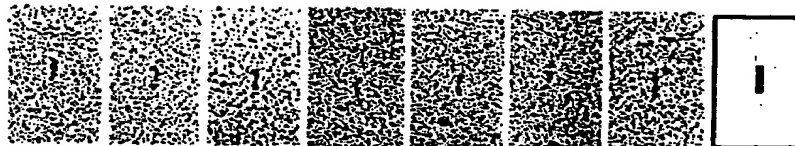
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TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

31 / 55

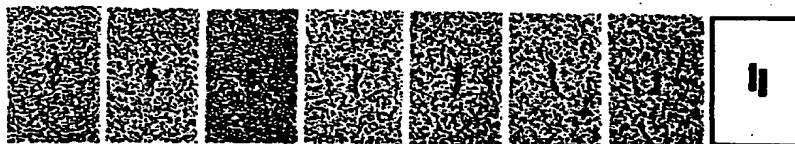


NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

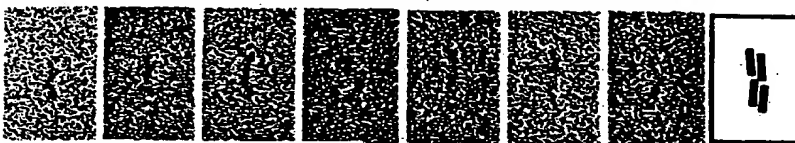
32 / 55



**FIGURE 26A**

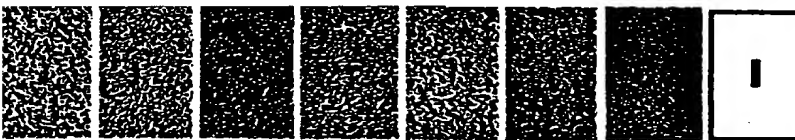


**FIGURE 26B**



**FIGURE 26C**

**K11**



**FIGURE 26D**



**FIGURE 26E**



**FIGURE 26F**

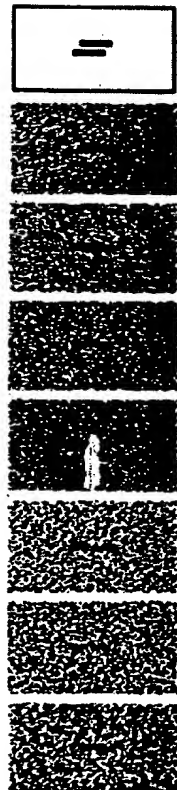
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NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

33 / 55

FIGURE 27A



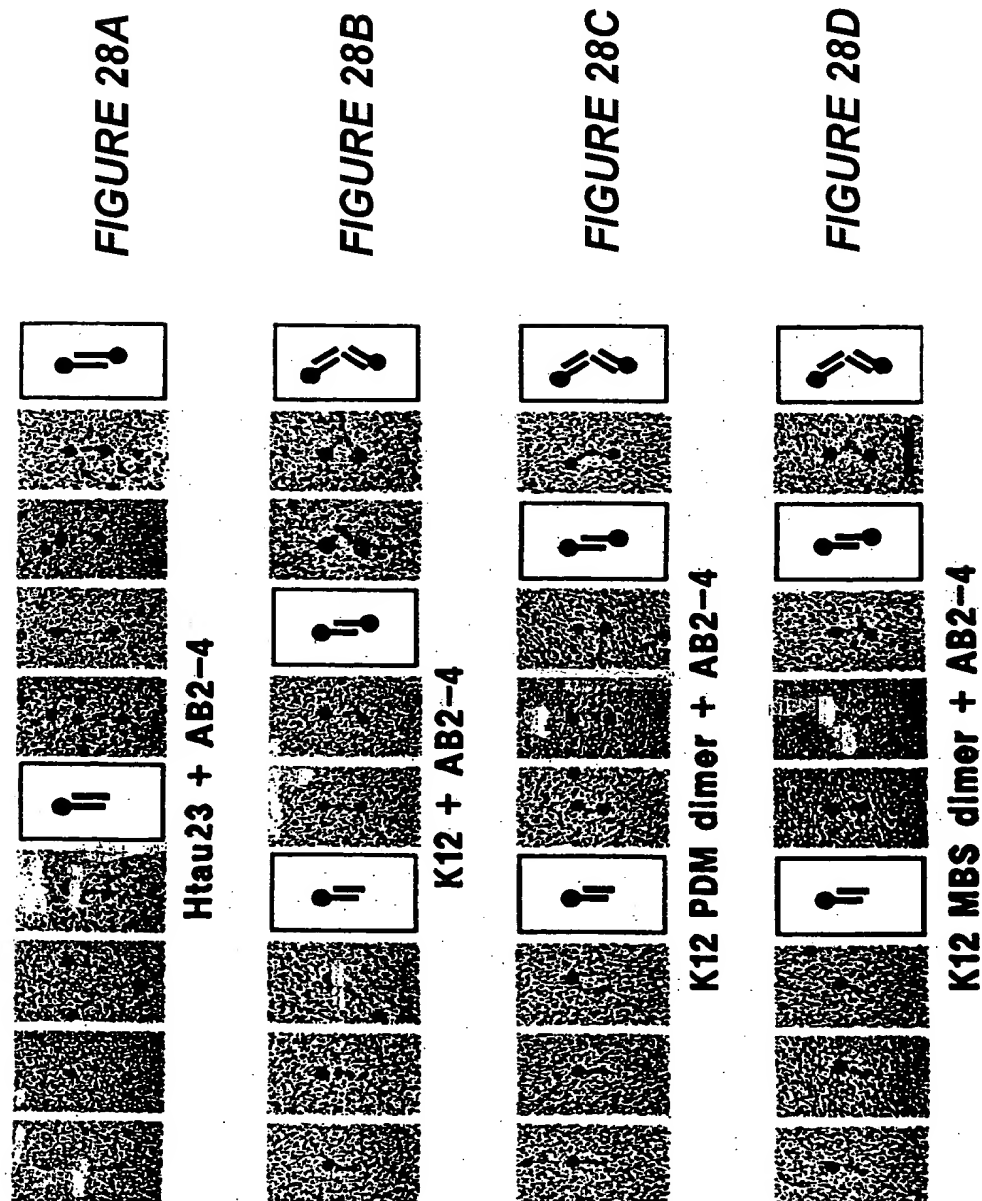
K12 PDM Dimer

FIGURE 27B



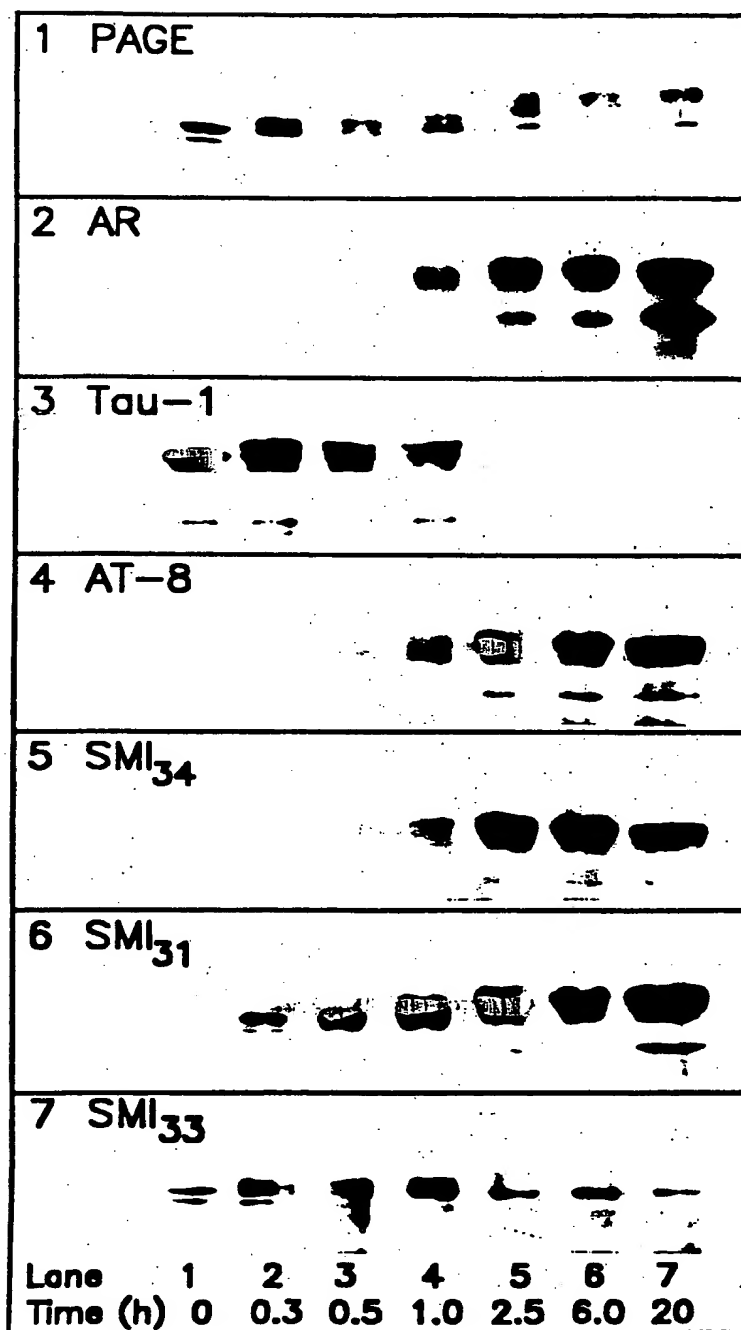
K12 MBS Dimer

34 / 55



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

35 / 55



**FIGURE 29A**

**FIGURE 29B**

**FIGURE 29C**

**FIGURE 29D**

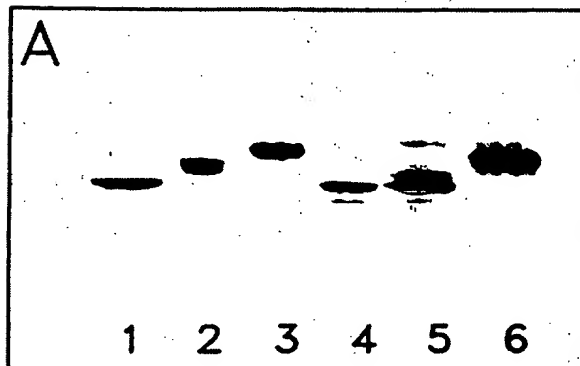
**FIGURE 29E**

**FIGURE 29F**

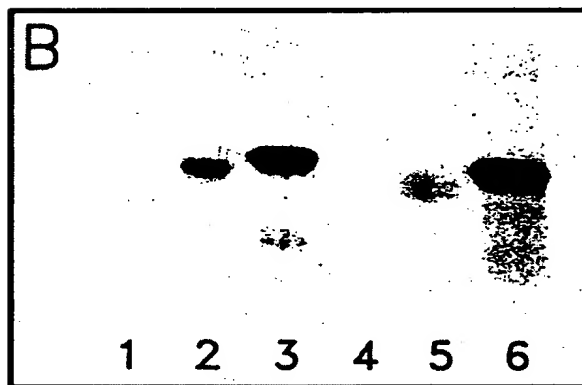
**FIGURE 29G**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

36 / 55

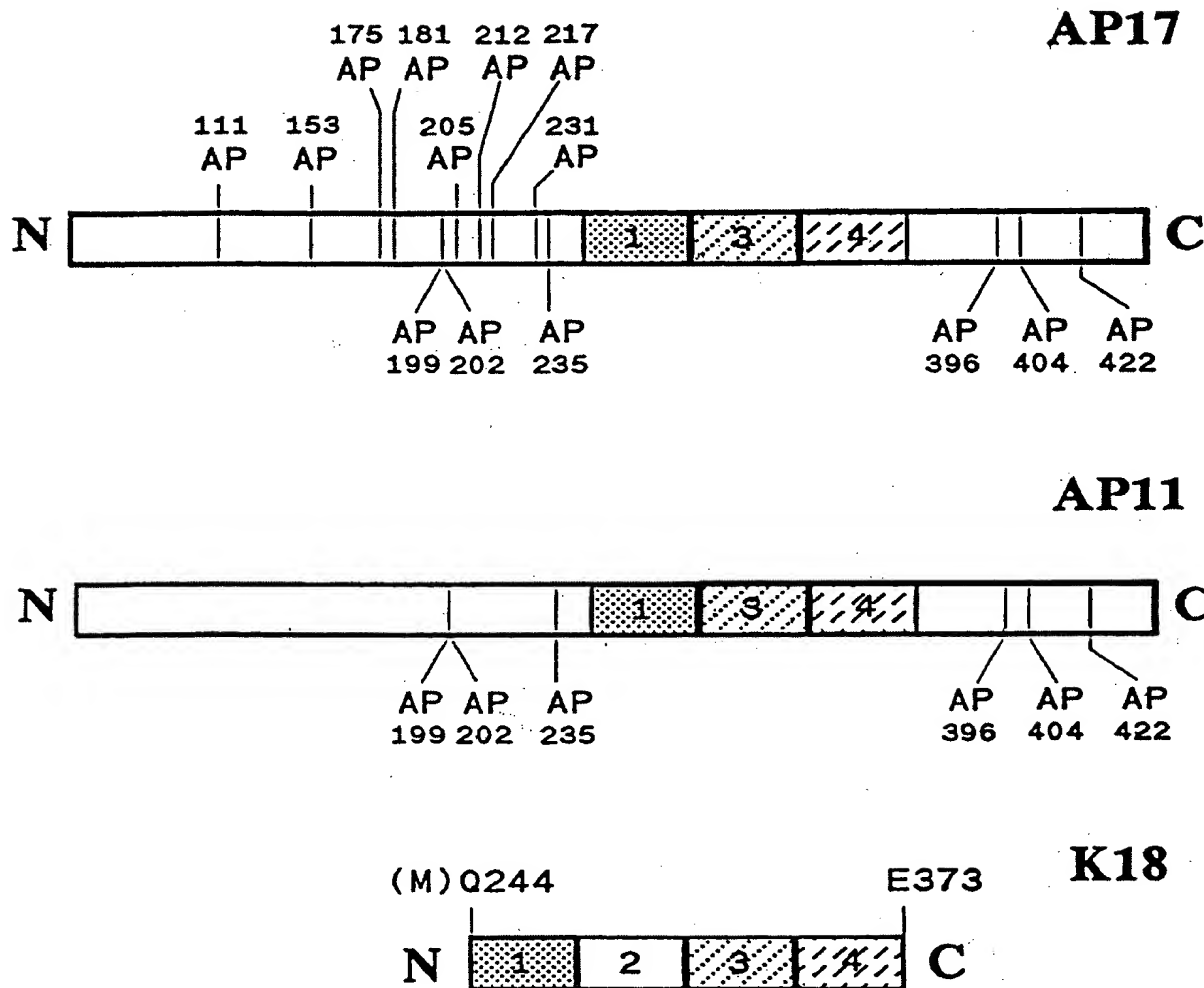


**FIGURE 30A**



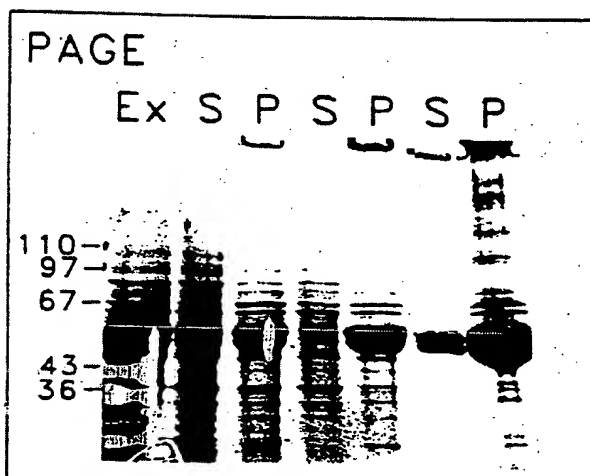
**FIGURE 30B**

37 / 55

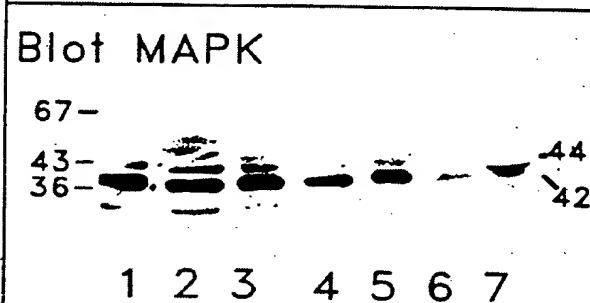


**FIGURE 31**

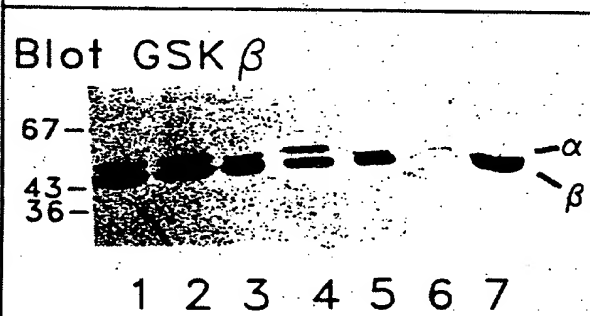
38 / 55



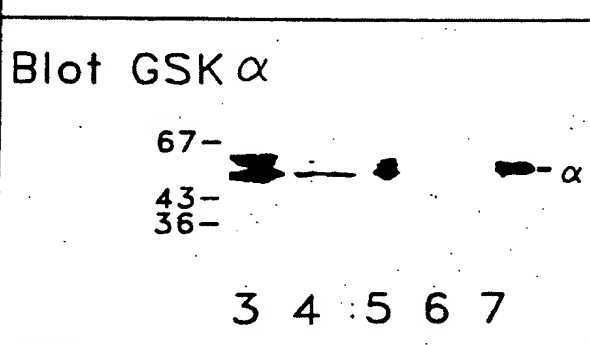
**FIGURE 32A**



**FIGURE 32B**



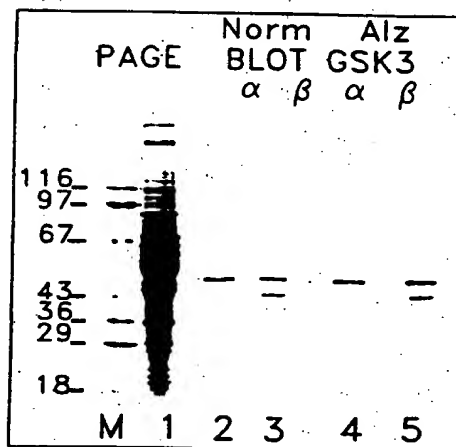
**FIGURE 32C**



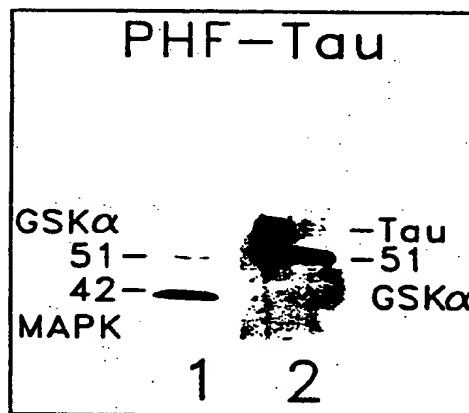
**FIGURE 32D**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

39 / 55



**FIGURE 33A**



**FIGURE 33B**

40 / 55

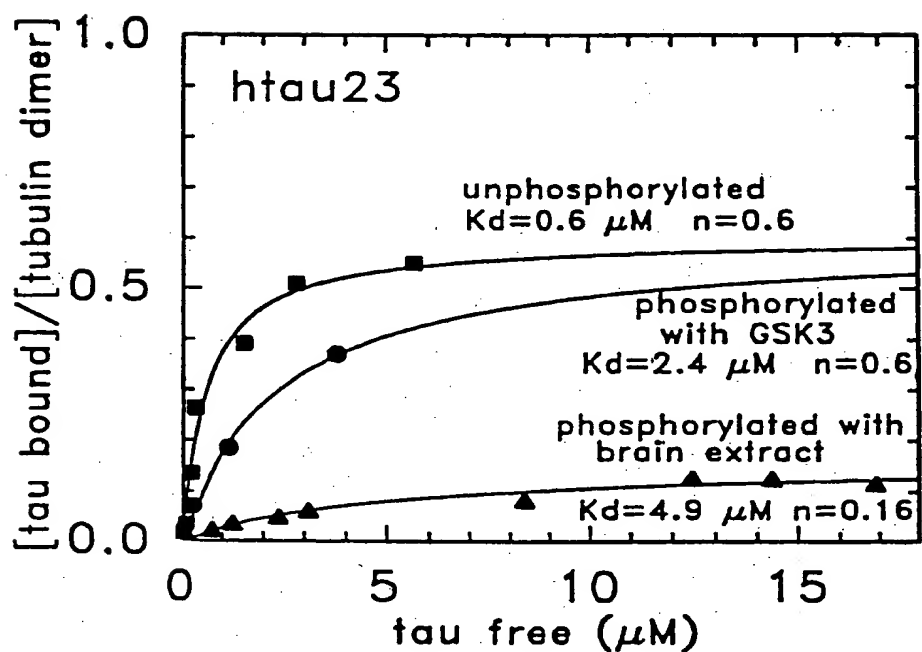


FIGURE 34



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

41 / 55

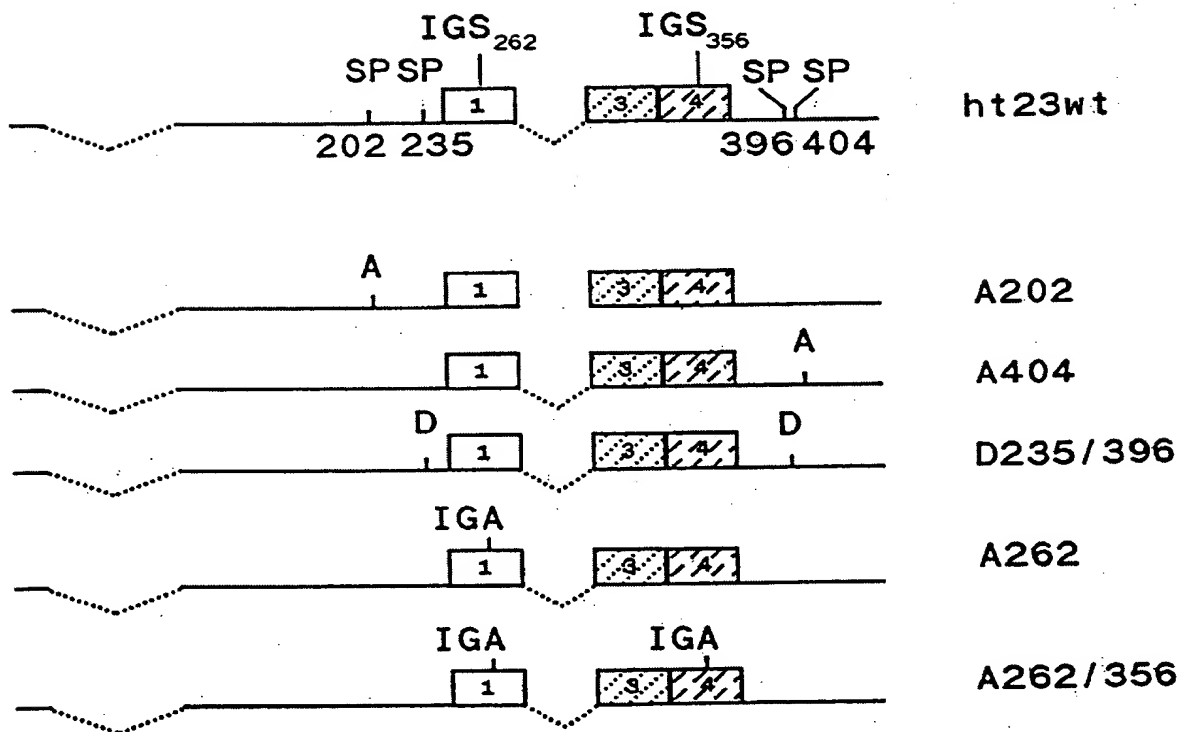


FIGURE 35A

42 / 55

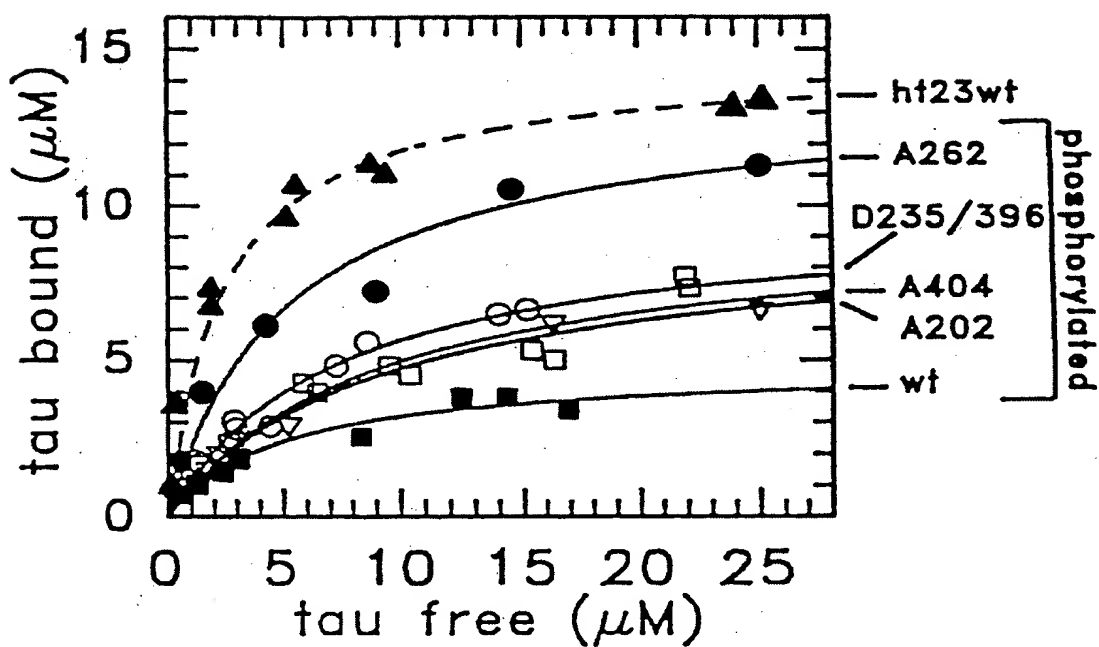


FIGURE 35B

43 / 55

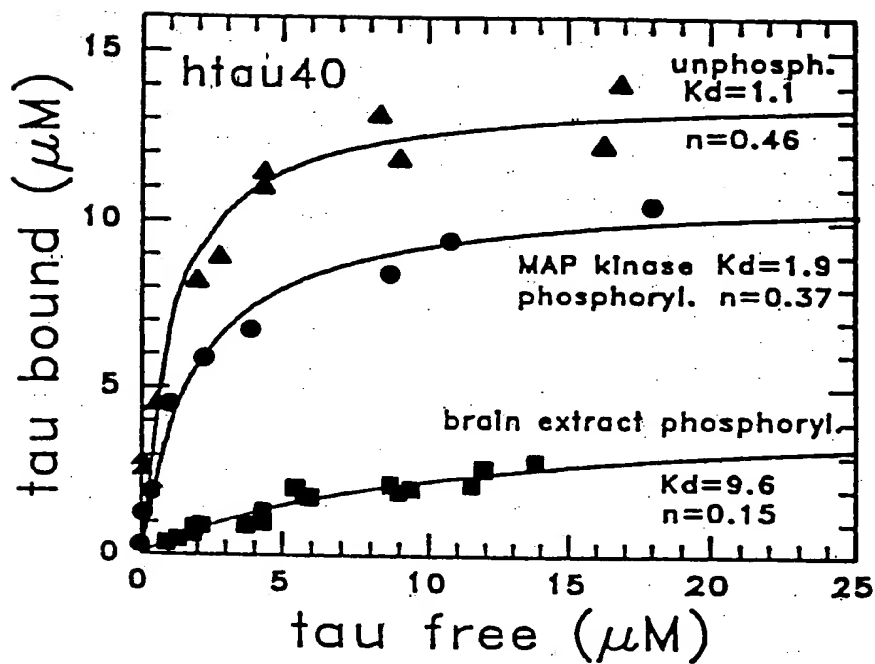


FIGURE 36

44 / 55

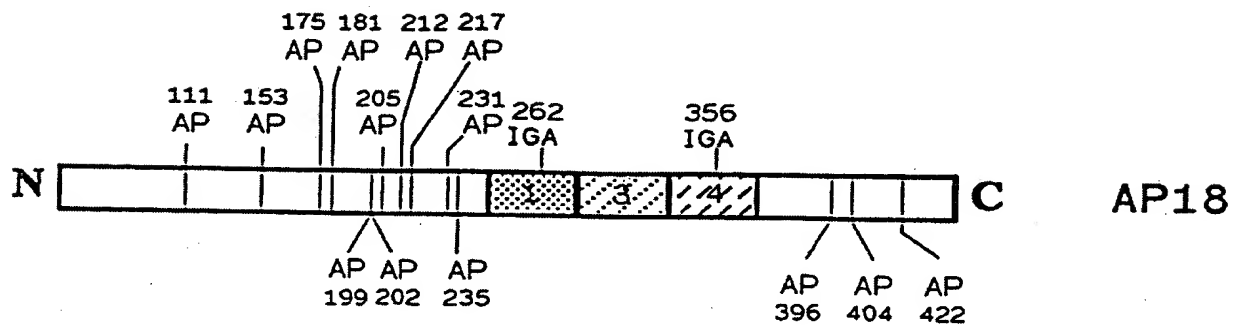
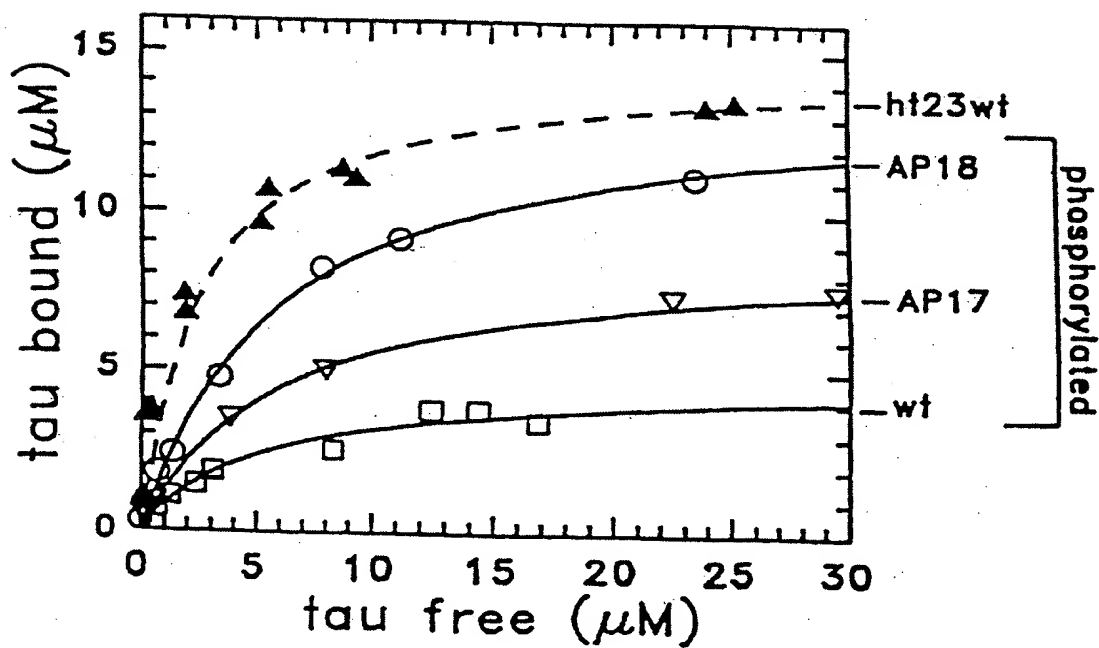
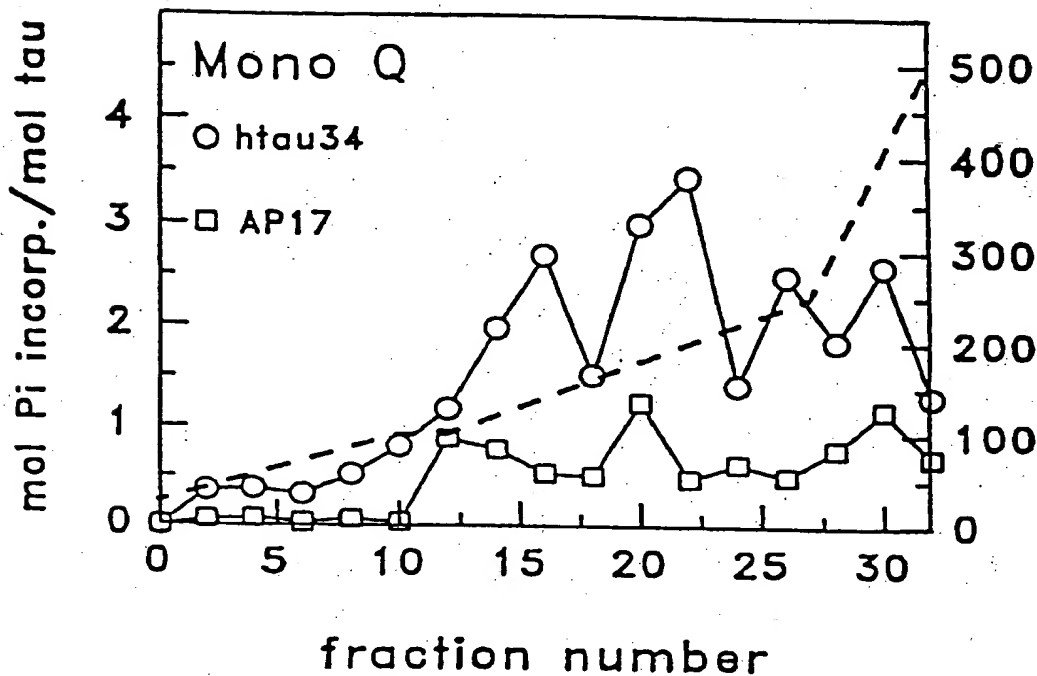


FIGURE 37A

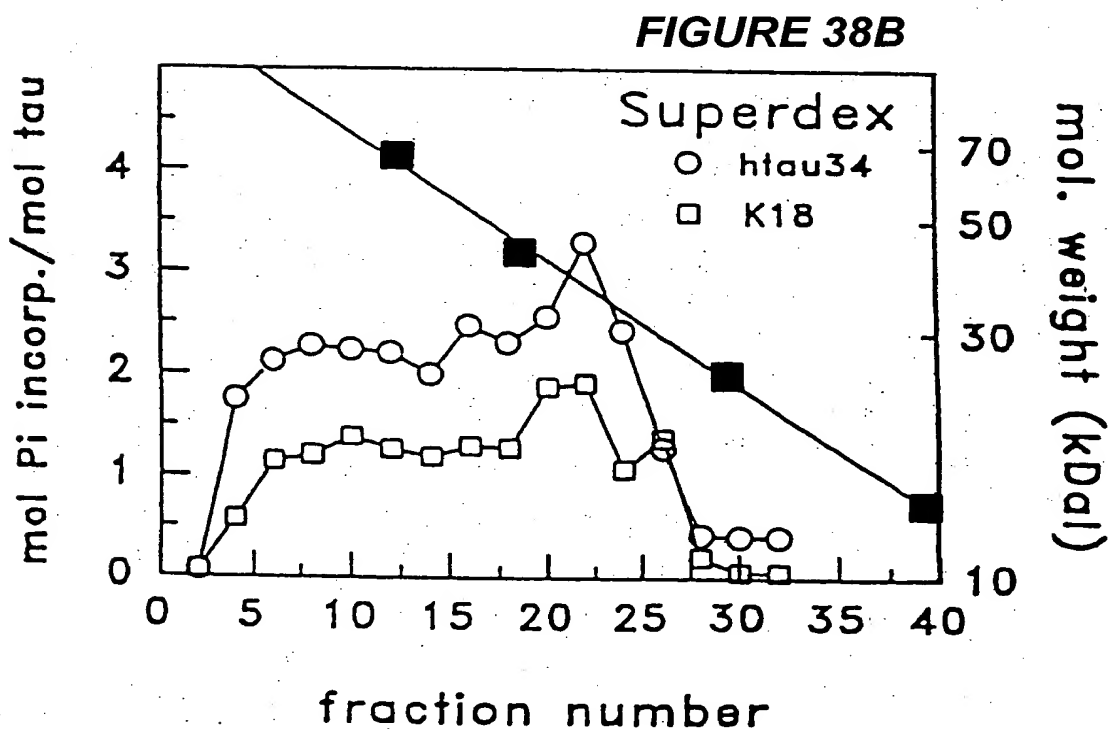
FIGURE 37B



45 / 55



**FIGURE 38A**



**FIGURE 38B**

46 / 55

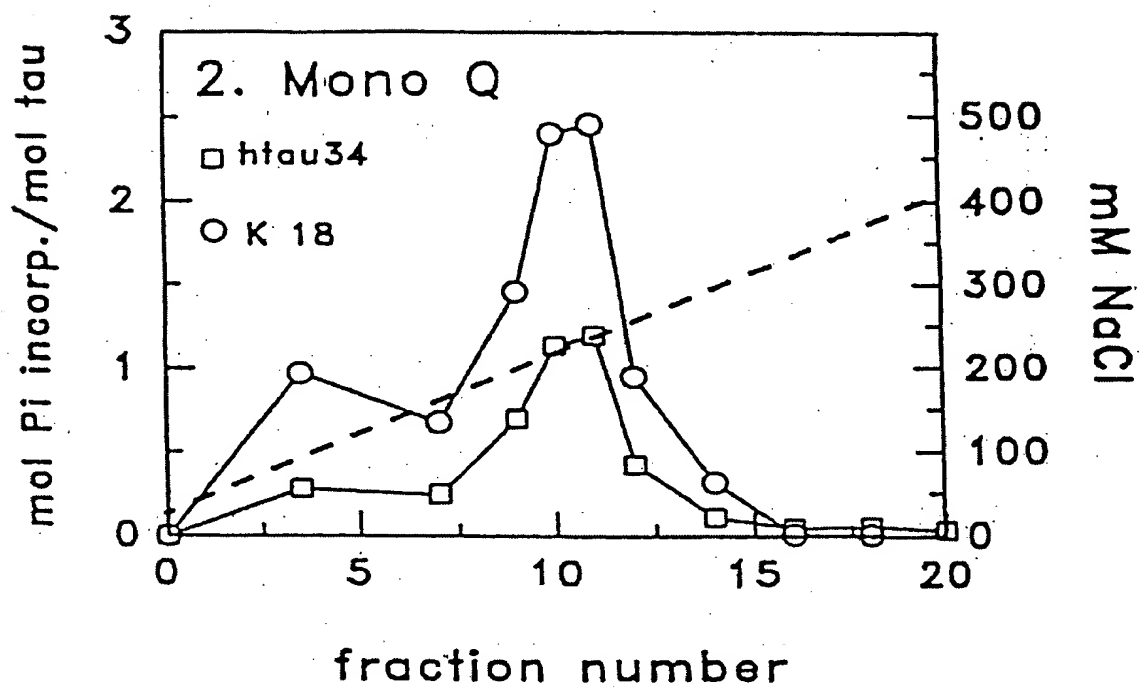
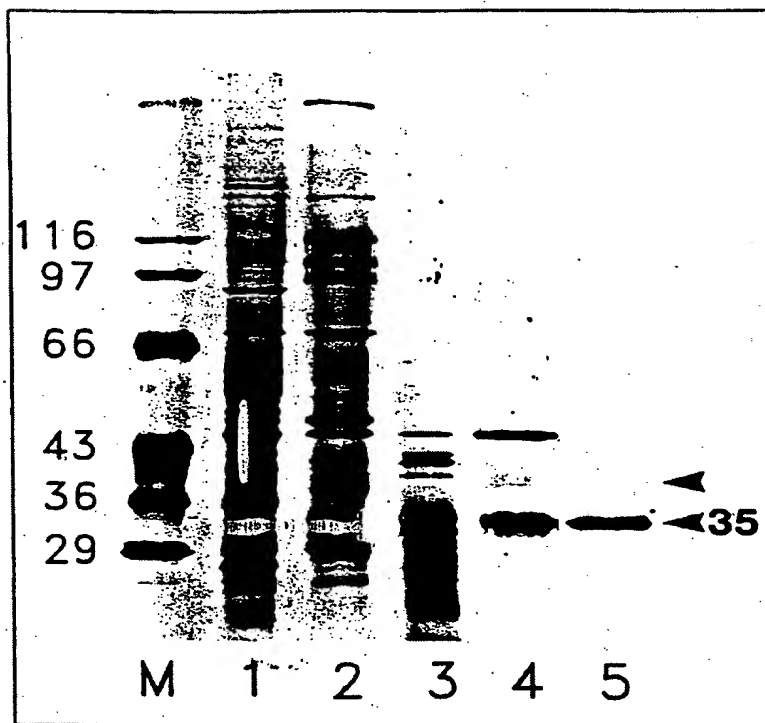


FIGURE 38C

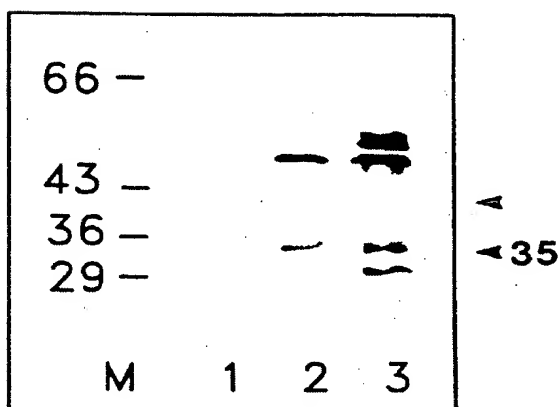
NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N: 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

47 / 55

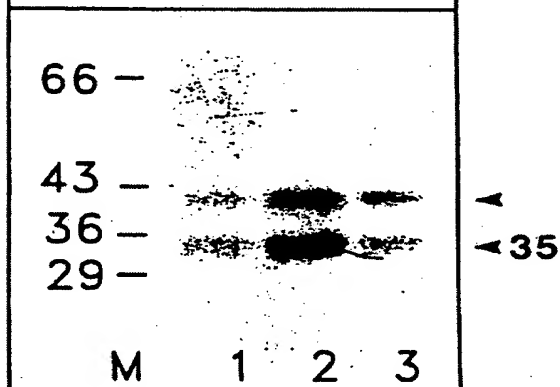


**FIGURE 38D**

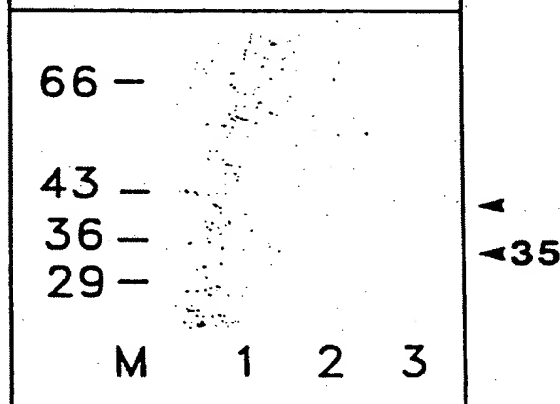
48 / 55



**FIGURE 39A**



**FIGURE 39B**

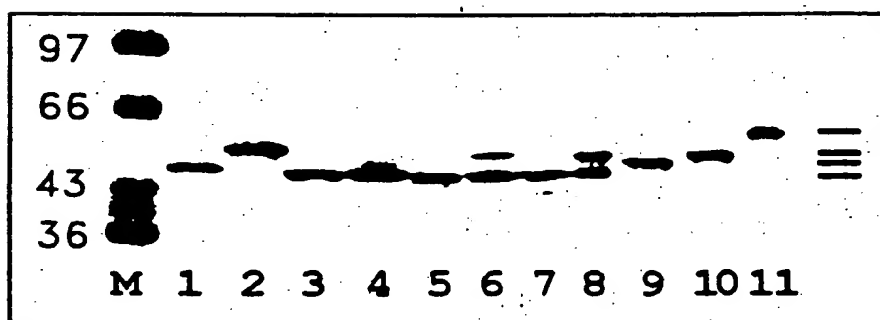


**FIGURE 39C**



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
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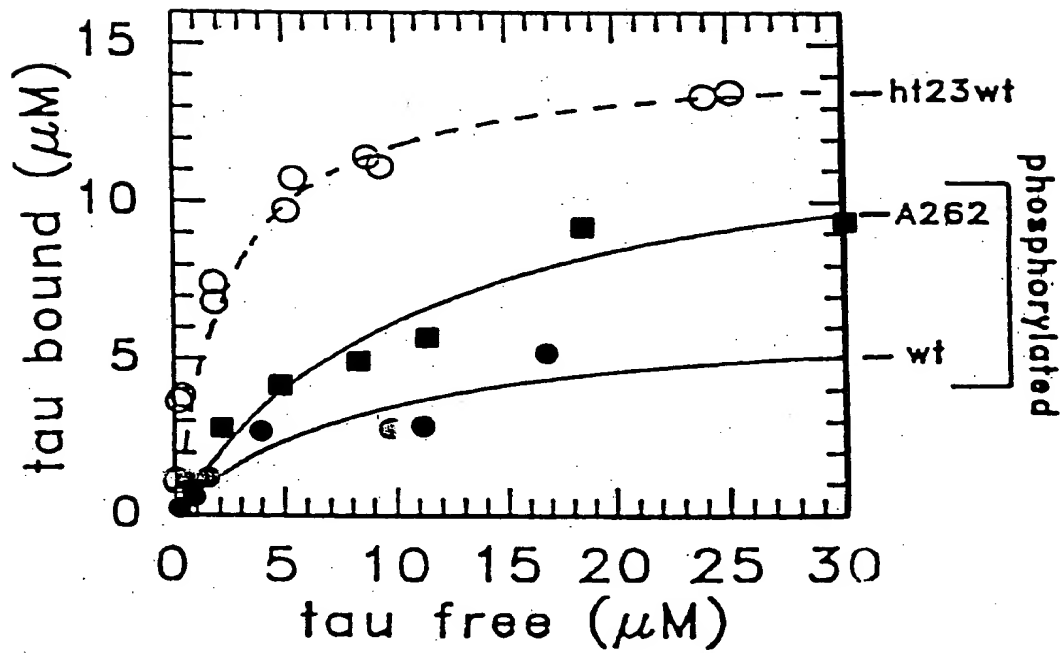
49 / 50



**FIGURE 40A**

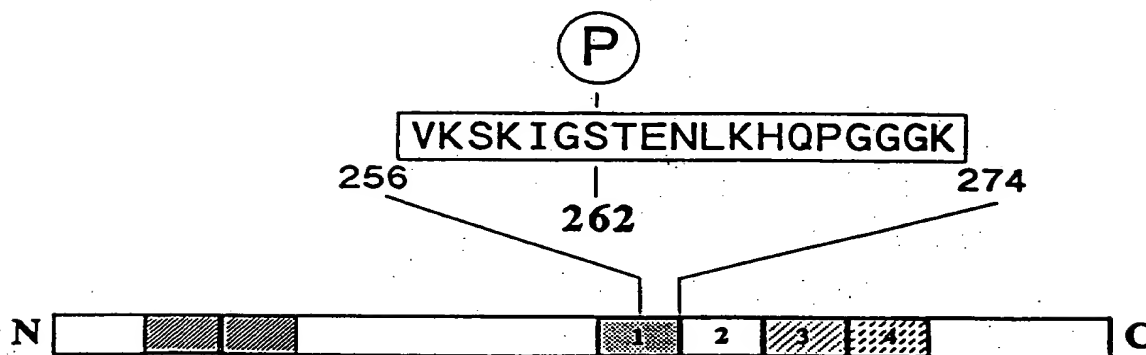
50 / 55

**FIGURE 40B**



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

51 / 55

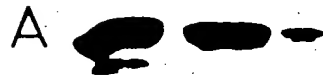


**FIGURE 41**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

52 / 55

1 2 3 4



**FIGURE 42A**



**FIGURE 42B**



**FIGURE 42C**



**FIGURE 42D**

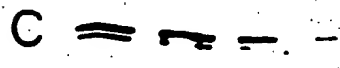
1 2 3 4 5 6



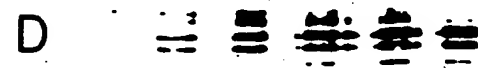
**FIGURE 43A**



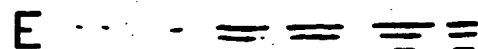
**FIGURE 43B**



**FIGURE 43C**



**FIGURE 43D**



**FIGURE 43E**

NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE

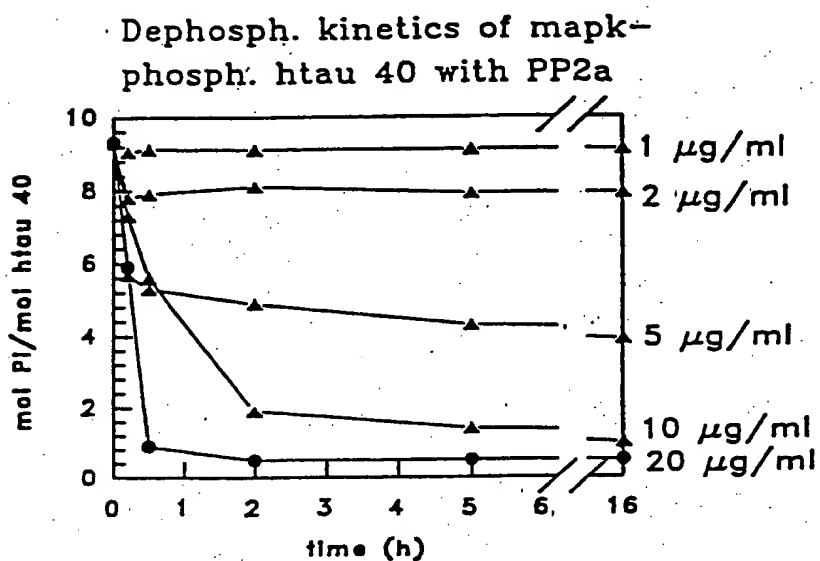
MANDELKOW ET AL. U.S.S.N. 09/640,737

ATTORNEY DOCKET NO. 28384/36668

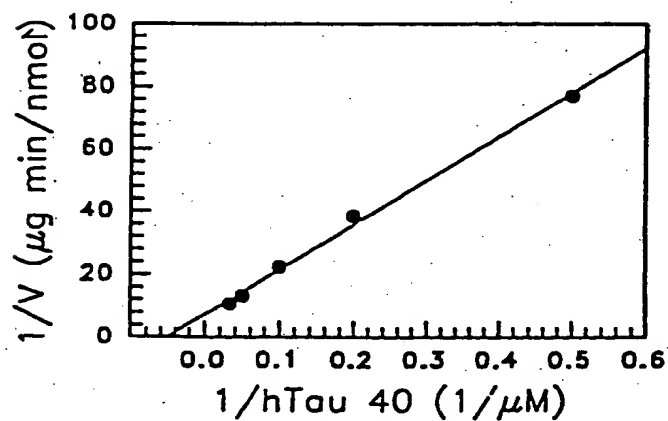
REPLACEMENT SHEET

53 / 55

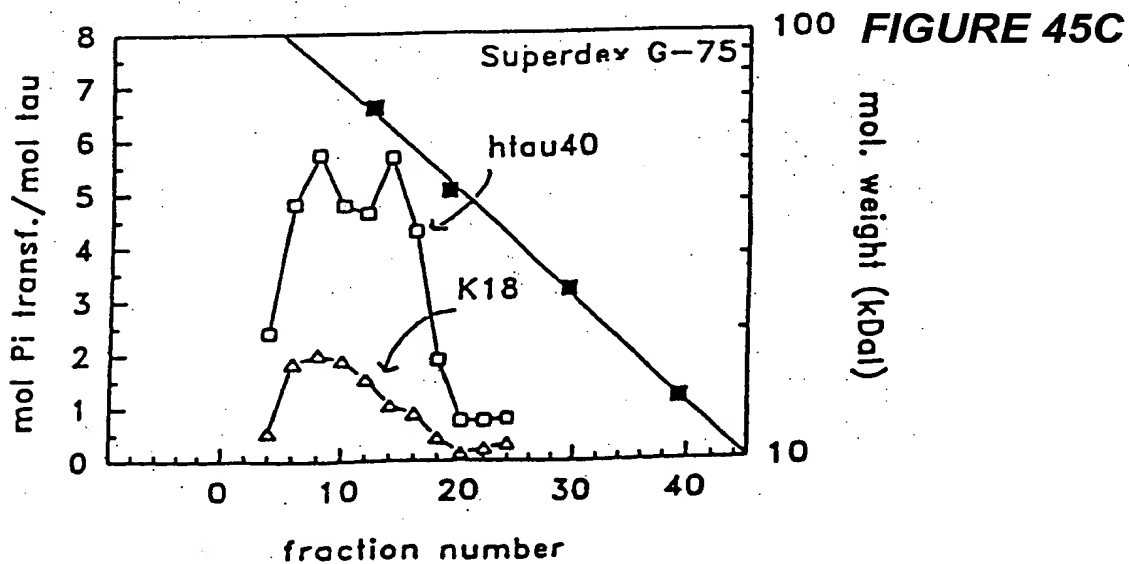
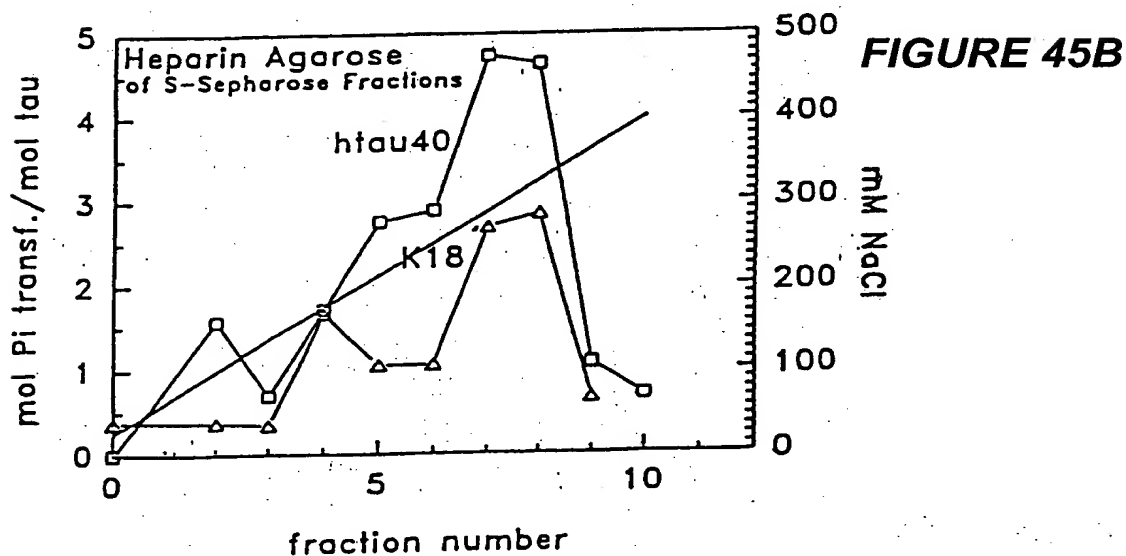
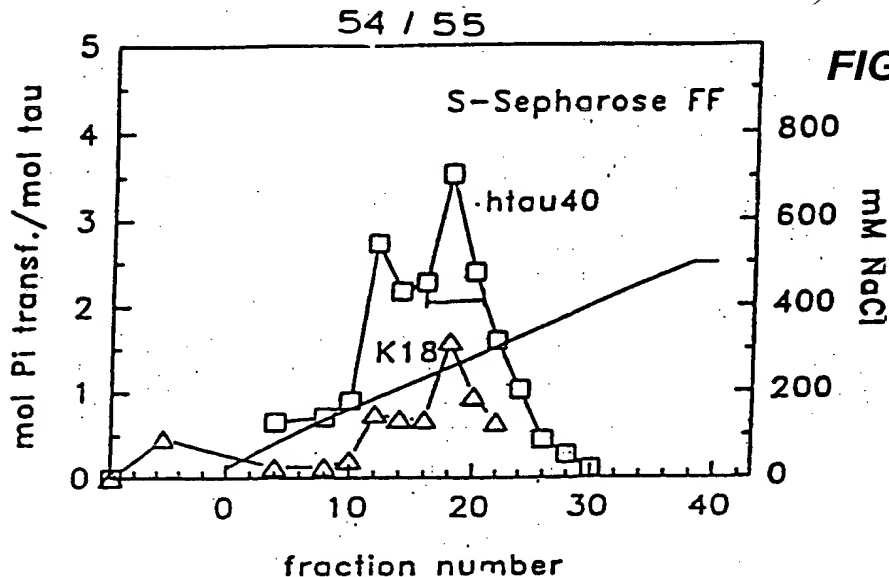
**FIGURE 44A**



**FIGURE 44B**



NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
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NOVEL TOOLS FOR THE DIAGNOSIS AND  
TREATMENT OF ALZHEIMER'S DISEASE  
MANDELKOW ET AL. U.S.S.N. 09/640,737  
ATTORNEY DOCKET NO. 28384/36668  
REPLACEMENT SHEET

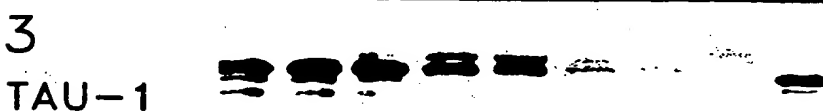
55 / 55



**FIGURE 46A**



**FIGURE 46B**



**FIGURE 46C**



**FIGURE 46D**

LANE	1	2	3	4	5	6	7	8	9
TIME (h)	0	0.2	0.5	1.5	3	6	10	24	0